

WEBLEM: 1a

National Center for Biotechnology Information (NCBI)

(URL: <https://www.ncbi.nlm.nih.gov/>)

Aim:

To gather information for the query “Diabetes” using various NCBI Resources

Introduction:

The National Center for Biotechnology Information (NCBI) was created in 1988 as a division of the National Library of Medicine (NLM) at the National Institutes of Health, to develop information systems in the field of molecular biology and bioinformatics. In addition to maintaining the GenBank, NCBI also provides data analysis and retrieval and resources that operate on GenBank data and also on a variety of other biological data made available through NCBI.

The query used today is Diabetes. Diabetes is a disorder affecting 422 million people worldwide. Most commonly observed in obese individuals above the age of 40, diabetes is directly attributed with causing about 1.6 millions deaths each year. Learning more of how this disorder works on a molecular and genomic level will help us cushion the further blow of this disease.

Methodology / Procedure:

1. Open Homepage of NCBI (url: <https://www.ncbi.nlm.nih.gov/>)
2. Enter search Query of Diabetes in various resources of NCBI (Total 5)
3. Interpret the results and find the data needed.

Observations:

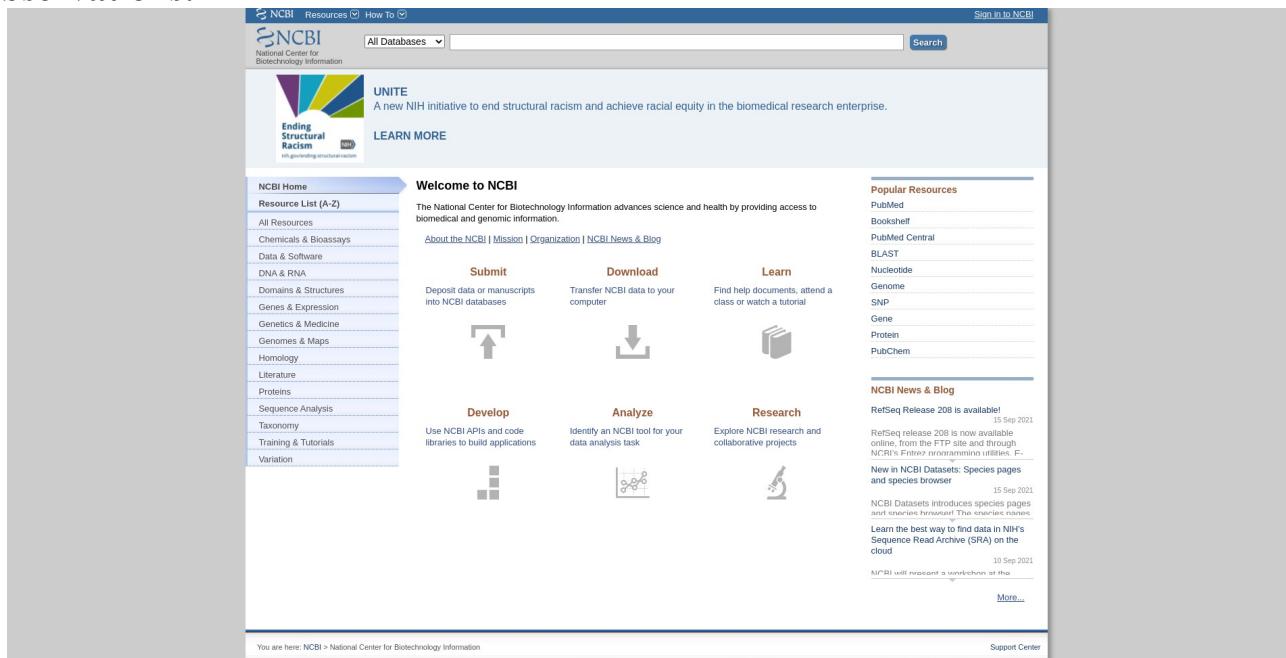


Fig1. NCBI Homepage

NCBI Resources How To Sign in to NCBI

Gene Diabetes Search

UNITE
A new NIH initiative to end structural racism and achieve racial equity in the biomedical research enterprise.
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Sequence Analysis
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Fig2. Search page with resource Gene selected for query “Diabetes”

NCBI Resources How To Sign in to NCBI

Gene Gene Diabetes Search

Gene sources
Genomic
Mitochondria
Organanelles

Categories
Alternatively spliced
Annotated genes
Non-coding
Protein-coding
Pseudogene

Sequence content
CCDS
Ensembl
RefSeq
RefSeqGene

Status
Current
Clear all
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Results
Items: 1 to 20 of 4095
See also 9234 discontinued or replaced items.

Name/Gene ID	Description	Location	Aliases	MIM
<input type="checkbox"/> Lepr ID: 16847	leptin receptor [<i>Mus musculus</i> (house mouse)]	Chromosome 4, NC_00007.0 (101574393..101676375)	LE, LEPROTb, Modb, Modb1, O, OB-, OB-RGRP, Obr, db, diabetes, obese-, obese-like, ob1, Lepr	
<input type="checkbox"/> CTLA4 ID: 1493	cytotoxic T-lymphocyte associated protein 4 [<i> Homo sapiens (human)</i>]	Chromosome 2, NC_000002.12 (20386771..203873965)	ALPS5, CD, CD152, CELIAC3, CTLA-4, GRD4, GSE, IDDM12	123890
<input type="checkbox"/> VEGFA ID: 7422	vascular endothelial growth factor A [<i> Homo sapiens (human)</i>]	Chromosome 6, NC_000006.12 (43770209..43786487)	MVCD1, VEGF, VPF	192240
<input type="checkbox"/> IL6 ID: 3569	interleukin 6 [<i> Homo sapiens (human)</i>]	Chromosome 7, NC_000007.14 (22725889..22725902)	BSF-2, BSF2, CDF, HGF, HSF, IFN-beta-2, IFNB2, IL-6	147620
<input type="checkbox"/> CDKN2A ID: 1029	cyclin dependent kinase inhibitor 2A [<i> Homo sapiens (human)</i>]	Chromosome 9, NC_000009.12 (21967752..21995324, complement)	ARF, CDK4, CDKN2, CMM2, INK4, INK4A, MLM, MTS-1, MTS1, P14, P14ARF, P16, P16INK4A, P16INK4A, P19, P19ARF, TP16	600160
<input type="checkbox"/> SUMO4 ID: 387082	small ubiquitin like modifier 4 [<i> Homo sapiens (human)</i>]	Chromosome 6, NC_000006.12 (149400262..149401278)	IDDM5, SMT3H4, SUMO-4, d1281H8.4	608829
<input type="checkbox"/> PPARG ID: 5468	peroxisome proliferator activated receptor gamma [<i> Homo sapiens (human)</i>]	Chromosome 3, NC_000003.12 (12287368..12434344)	CIMT1, GLM1, NR1C3L, PPARG2, PPARG5, PPARGamma, PPARG	601487
<input type="checkbox"/> ETQ ID: 79068	FTO alpha-ketoglutarate dependent dioxygenase [<i> Homo sapiens (human)</i>]	Chromosome 16, NC_000016.10 (53703963..54121941)	ALKBH9, BMIQ14, GDFD	610966
<input type="checkbox"/> INS ID: 3630	insulin [<i> Homo sapiens (human)</i>]	Chromosome 11, NC_000011.10 (2159779..2161209, complement)	IDDM, IDDM1, IDDM2, ILPR, IRDN, MODY10, PNDM4	176730
<input type="checkbox"/> idd5.1 ID: 170801	insulin dependent diabetes susceptibility 5.1 [<i> Mus musculus (house mouse)</i>]		Idd, Idd5., Idd5a	
<input type="checkbox"/> TCF7L2 ID: 6934	transcription factor 7 like 2 [<i> Homo sapiens (human)</i>]	Chromosome 10, NC_000010.11 (112950247..113167678)	TCF-4, TCF4	602228
<input type="checkbox"/> IGF2 ID: 3481	insulin like growth factor 2 [<i> Homo sapiens (human)</i>]	Chromosome 11, NC_000011.10 (2129117..2149566, complement)	C11orf43, GRDF, IGF-II, PP9974, SRS3	147470
<input type="checkbox"/> KCNA1	potassium voltage-gated channel	Chromosome 11, NC_000011.10	ATP2A1, ATP2A2, KCNA1, KCNA2, KCNA3, KCNA4, KCNA5, KCNA6, KCNA7, KCNA8, KCNA9, KCNA10, KCNA11, KCNA12, KCNA13, KCNA14, KCNA15, KCNA16, KCNA17, KCNA18, KCNA19, KCNA20, KCNA21, KCNA22, KCNA23, KCNA24, KCNA25, KCNA26, KCNA27, KCNA28, KCNA29, KCNA30, KCNA31, KCNA32, KCNA33, KCNA34, KCNA35, KCNA36, KCNA37, KCNA38, KCNA39, KCNA40, KCNA41, KCNA42, KCNA43, KCNA44, KCNA45, KCNA46, KCNA47, KCNA48, KCNA49, KCNA50, KCNA51, KCNA52, KCNA53, KCNA54, KCNA55, KCNA56, KCNA57, KCNA58, KCNA59, KCNA60, KCNA61, KCNA62, KCNA63, KCNA64, KCNA65, KCNA66, KCNA67, KCNA68, KCNA69, KCNA70, KCNA71, KCNA72, KCNA73, KCNA74, KCNA75, KCNA76, KCNA77, KCNA78, KCNA79, KCNA80, KCNA81, KCNA82, KCNA83, KCNA84, KCNA85, KCNA86, KCNA87, KCNA88, KCNA89, KCNA90, KCNA91, KCNA92, KCNA93, KCNA94, KCNA95, KCNA96, KCNA97, KCNA98, KCNA99, KCNA100, KCNA101, KCNA102, KCNA103, KCNA104, KCNA105, KCNA106, KCNA107, KCNA108, KCNA109, KCNA110, KCNA111, 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KCNA8053	

NCBI Resources How To

Gene Gene Advanced Search

Full Report  Send to: Hide sidebar

Lepr : leptin receptor [*Mus musculus* (house mouse)]

Gene ID: 16847, updated on 14-Sep-2021

Summary

Official Symbol: Lepr provided by MGI
 Official Full Name: leptin receptor provided by MGI
 Primary source: MG/MGI:104993
 See related: Ensembl:ENSMUSG00000057722
 Gene type: protein coding
 RefSeq status: VALIDATED
 Organism: *Mus musculus*
 Lineage: Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Myomorpha; Muroidea; Muridae; Murinae; Mus; Mus
 Also known as: O; LE; db; OB; ob; Modb; Lepr; Modb1; LEPROT; obese; OB-RGRP; diabetes; obese-like
 Expression: Broad expression in bladder adult (RPKM 5.0); placenta adult (RPKM 3.3) and 18 other tissues [See more](#)
 Orthologs: human, all

NEW Try the new [Gene table](#)
 Try the new [Transcript table](#)

Genomic context

Location: 4 C6: 4 46.96 cM
 Exon count: 21

Annotation release: Status: Assembly: Chr: Location: See [Lepr in Genome Data Viewer](#)

Annotation release	Status	Assembly	Chr	Location
109	current	GRCm39 (GCF_000001635_27)	4	NC_000070.7 (101574393..101676375)
108.20200622	previous assembly	GRCm38.p6 (GCF_000001635_26)	4	NC_000070.6 (101717137..101815352)
Bulli 37.2	previous assembly	MGSCv37 (GCF_000001635_18)	4	NC_000070.5 (101390012..101487959)

Genomic regions, transcripts, and products

Waiting for www.ncbi.nlm.nih.gov... Loading Go to [reference sequence details](#)

Fig4. Result page for gene resource on “Diabetes” [Lepr : leptin receptor in *Mus musculus*(house mouse)]

NCBI Resources How To

Gene Gene Advanced Search

Gene sources: Genomic

Categories: Alternatively spliced, Annotated gene, Nucleotide, Protein-coding, Pseudogene

Sequence content: CCDS, Ensembl, RefSeq, RefSeqGene

Status: Current, [Clear all](#)

Search results: Items: 1 to 20 of 2737

Filters activated: Alternatively spliced, Current. [Clear all](#) to show 13329 items.

Showing Current items.

Name/Gene ID	Description	Location	Aliases	MIM
<input type="checkbox"/> Lepr ID: 16847	leptin receptor [<i>Mus musculus</i> (house mouse)]	Chromosome 4, NC_000070.7 (101574393..101676375)	LE, LEPROTb, Modb, Modb1, O, OB-, OB-RGRP, Ob, db, diabetes, obese-, obese-like, ob, Lepr	
<input type="checkbox"/> CTLA4 ID: 1493	cytotoxic T-lymphocyte associated protein 4 [<i>Homo sapiens</i> (human)]	Chromosome 2, NC_000002.12 (20386771..203873965)	ALPS5, CD, CD152, CELIAC3, CTLA-4, GRD4, GSE, IDDM12	123890
<input type="checkbox"/> VEGFA ID: 7422	vascular endothelial growth factor A [<i>Homo sapiens</i> (human)]	Chromosome 6, NC_000006.12 (43770209..43786487)	MVCD1, VEGF, VPF	192240
<input type="checkbox"/> IL6 ID: 3569	interleukin 6 [<i>Homo sapiens</i> (human)]	Chromosome 7, NC_000007.14 (22725889..22732002)	BSF-2, BSF2, CDF, HGF, HSF, IFN-beta-2, IFNB2, IL-6	147620
<input type="checkbox"/> CDKN2A ID: 1029	cyclin dependent kinase inhibitor 2A [<i>Homo sapiens</i> (human)]	Chromosome 9, NC_000009.12 (21967752..21995324, complement)	ARF, CDK4I, CDKN2, CMM2, INK4, INK4A, MLM, MTS-1, MTS1, P14, P14ARF, P16, P16-INK4A, P16INK4A, P19, P19ARF, TP16	600160
<input type="checkbox"/> PPARG ID: 5468	peroxisome proliferator activated receptor gamma [<i>Homo sapiens</i> (human)]	Chromosome 3, NC_000003.12 (12287368..12434344)	CIMT1, GLM1, NR1C3L, PPARG2, PPARG5, PPARGamma, PPARG	601487
<input type="checkbox"/> FTO ID: 79068	FTO alpha-ketoglutarate dependent dioxygenase [<i>Homo sapiens</i> (human)]	Chromosome 16, NC_000016.10 (53703963..54121941)	ALKBH9, BMIQ14, GDFD	610966
<input type="checkbox"/> INS ID: 3630	insulin [<i>Homo sapiens</i> (human)]	Chromosome 11, NC_000011.10 (2159771..2161209, complement)	IDDM, IDDM1, IDDM2, ILPR, IRDN, MODY10, PNDM4	176730
<input type="checkbox"/> TCF7L2 ID: 6934	transcription factor 7 like 2 [<i>Homo sapiens</i> (human)]	Chromosome 10, NC_000010.11 (112990247..113187678)	TCF-4, TCF4	602228
<input type="checkbox"/> IGF2 ID: 3481	insulin like growth factor 2 [<i>Homo sapiens</i> (human)]	Chromosome 11, NC_000011.10 (2129117..2149566, complement)	C11orf43, GRDF, IGF-II, PP9974, SR33	147470
<input type="checkbox"/> KCNQ1 ID: 3784	potassium voltage-gated channel subfamily Q member 1 [<i>Homo sapiens</i> (human)]	Chromosome 11, NC_000011.10 (2445008..2849110)	ATFB1, ATFB3, JLNS1, KCNA8, KCNA9, KVLT1, Kv1.9, Kv7.1, LQT1, LQT1, RWS, SQT2, WRS	607542
<input type="checkbox"/> PTPN22 ID: 26191	protein tyrosine phosphatase non-receptor type 22 [<i>Homo sapiens</i> (human)]	Chromosome 1, NC_000001.11 (113813811..113871761, complement)	LYP, LYP1, LYP2, PEP5, PTPN22, PTPNB, PTPN22	600716
<input type="checkbox"/> IL2RA	interleukin 2 receptor subunit alpha	Chromosome 10, NC_000010.11 (CD25, IDDM10, IL2R, IMD41, TCGFR, p55		147730

Filters: Manage Filters

Results by taxon

Top Organisms: [Tree](#)
Homo sapiens (1587)
Mus musculus (710)
Rattus norvegicus (365)
Oryctolagus cuniculus (6)
Bos taurus (6)
 All other taxa (63)
 More...

Find related data

Database: Select

Search results

Diabetes AND ("has transcript variants" [Properties] AND alive[prop])

Recent activity

Turn Off Clear

Diabetes AND ("has transcript variants" [Properties] AND alive[prop]) (2737)
 Diabetes AND (alive[prop]) (4095)
 Diabetes (1520)
 RecName: Full=Steroidogenic factor 1; Short=SF-1; Short=SF1; AIN..
 Mus musculus leptin receptor (Lepr), transcript variant 3, mRNA

Fig5. Hit page for query “Diabetes” in gene resource with limit option and refined results.

NCBI Resources How To Sign in to NCBI

Gene Home Help

Gene Advanced Search Builder

Filters activated: Alternatively spliced, Current. [Clear all](#)

Showing Current Items.

Use the builder below to create your search

Edit Clear

Builder

All Fields AND All Fields Show index list Show index list

Search or Add to history

History

Search	Add to builder	Query	Items found	Time
#6	Add	Search Diabetes Schema: base	13329	10:08:06
#18	Add	Search Diabetes Schema: base Filters: Alternatively spliced; Current	2737	10:08:05
#5	Add	Search Diabetes Schema: base Filters: Current	4095	10:07:56

Download history Clear history

You are here: NCBI > Genes & Expression > Gene

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- GeneBank
- Reference Sequences
- Gene Expression Omnibus
- Genome Data Viewer
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- Mouse Genome
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- Primer-BLAST
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Fig6. Advanced search of query “Diabetes” in Gene Resource

NCBI Resources How To Sign in to NCBI

NLM Catalog Diabetes

UNITE

A new NIH initiative to end structural racism and achieve racial equity in the biomedical research enterprise.

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Fig7. Search page with resource NLM Catalog selected with query “Diabetes”

The screenshot shows the NLM Catalog search results for the query "Diabetes". The search results page displays a list of 8767 items, with the first few results shown in detail. The results include various books and articles, such as "ABC of wound healing" by Annie Price, Joseph E. Patel, and Girish Patel, and "Advancing health education with telemedicine" by López Cabrera, Mildred. The interface includes a search bar, filters, and a PubMed search builder.

Fig8. Hit page for search query “Diabetes” in NLM catalog resource

The screenshot shows the detailed result page for the book "ABC of wound healing". The page provides a comprehensive summary of the book, including its authors (Annie Price, Joseph E. Patel, Girish Patel, Keith G. Harding), title, series, edition, and publisher (Hoboken, NJ: Wiley, 2022). It also lists the ISBN, LCCN, and a detailed summary of the book's content, which covers various aspects of wound care and treatment. The interface includes a search bar, filters, and a PubMed search builder.

Fig9. Result Page for NLM catalog resource on “Diabetes” [ABC of wound healing]

The screenshot shows the NLM Catalog search results for the query "Diabetes". The search results are displayed in a table with columns for Rank, Title, Author, and Description. The results are filtered by English language. The search bar at the top contains the query "Diabetes". The left sidebar shows filters for Languages (English, Spanish), Current indexing (NLM Catalog), and NLM Journals. The right sidebar shows the search query in the PubMed Search Builder and a search history section.

Rank	Title	Author	Description
1.	ABC of wound healing	Priole Annie, (Of Welsh Wound Innovation (Organization)); Grey, Joseph E; Patel, Girish, (Of Cardiff University); Harding, K G (Keith G).	Second edition. Hoboken, NJ : Wiley, 2022. NLM ID: 9918226079906676 [Book]
2.	Advancing health education with telemedicine	López Cabrera, Mildred, 1987-; Hershey, PA : Medical Information Science Reference, [2022]	NLM ID: 9918230504306676 [Book]
3.	Biochemistry	Abali, Emine Erkcan; Cline, Susan D; Franklin, David S; Viselli, Susan; Ferrier, Denise R.	Biochemistry. Eighth edition. Philadelphia : Wolters Kluwer, [2022] NLM ID: 101771761 [Book]
4.	Cooking for health and disease prevention	Farmer, Nicole M; Ardisson Korat, Andres E.	Cooking for health and disease prevention. Fourth edition. Boca Raton, FL : CRC Press, 2022. NLM ID: 9918227180906676 [Book]
5.	Eating disorders : a comprehensive guide to medical care and complications	Mehler, Philip S; Andersen, Arnold E.	Eating disorders : a comprehensive guide to medical care and complications. Baltimore : Johns Hopkins University Press, [2022] NLM ID: 101779320 [Book]
6.	Foundations of rural public health in America	Mirelli, Mark J; Inungi, Joseph N.	Foundations of rural public health in America. First edition. Burlington, MA : Jones & Bartlett Learning, [2022] NLM ID: 101770023 [Book]
7.	Handbook of research on assertiveness, clarity, and positivity in health literacy	Almeida, Cristina Vaz de, 1964-; Ramos, Susana, 1967-	Handbook of research on assertiveness, clarity, and positivity in health literacy. Almeida, Cristina Vaz de, 1964-; Ramos, Susana, 1967- NLM ID: 101770023 [Book]

Fig10. Hit page for search query “Diabetes” in resource NLM catalog with Limit option and refined results

The screenshot shows the NLM Catalog Advanced Search Builder. The search bar at the top contains the query "Search Diabetes". The search history table shows two previous searches: "#19 Add Search Diabetes Sort by: PubDate Filters: English" (Items found: 6402, Time: 10:18:16) and "#4 Add Search Diabetes Sort by: PubDate" (Items found: 8767, Time: 10:18:11). The left sidebar shows links for Getting Started, Resources, Popular, Featured, and NCBI Information. The bottom of the page includes the NCBI footer with links to the National Center for Biotechnology Information, U.S. National Library of Medicine, and various NCBI services.

Search	Add to builder	Query	Items found	Time
#19	Add	Search Diabetes Sort by: PubDate Filters: English	6402	10:18:16
#4	Add	Search Diabetes Sort by: PubDate	8767	10:18:11

Fig11. Advanced search of Query “Diabetes” in NLM Catalog resource.

The screenshot shows the NCBI homepage with a search bar at the top containing 'Nucleotide' and 'Diabetes'. A red box highlights this search query. Below the search bar, there is a banner for 'UNITE' (A new NIH initiative to end structural racism and achieve racial equity in the biomedical research enterprise) and a 'LEARN MORE' button. The main content area is titled 'Welcome to NCBI' and includes sections for 'Submit', 'Download', 'Learn', 'Develop', 'Analyze', and 'Research'. On the right, there is a 'Popular Resources' sidebar with links to PubMed, Bookshelf, PubMed Central, BLAST, Nucleotide, Genome, SNP, Gene, Protein, and PubChem. A 'NCBI News & Blog' sidebar shows a news item about RefSeq Release 208. At the bottom, there are links for 'GETTING STARTED', 'RESOURCES', 'POPULAR', 'FEATURED', and 'NCBI INFORMATION', along with a 'Support Center' link.

Fig12. Search page with resource Nucleotide selected with query “Diabetes”

The screenshot shows the NCBI Nucleotide search results page for the query 'Diabetes'. The search bar at the top shows 'Nucleotide' and 'Diabetes'. The results list 20 items out of 238594. The first item is 'Mus musculus leptin receptor (Lepr). transcript variant 3_mRNA'. The results are filtered by 'taxon' and 'related data'. The 'Search details' section shows 'Diabetes[All Fields]'. The 'Recent activity' section shows a search for 'Diabetes (238594)'. The sidebar on the left includes filters for 'Species', 'Sequence Type', 'Genetic compartments', 'Sequence length', 'Release date', 'Revision date', and 'Clear all'. The 'Show additional filters' link is also present.

Fig13. Hit page for search query “Diabetes” in Nucleotide resource

NCBI Resources How To

Nucleotide Nucleotide Advanced

GenBank ▾

Mus musculus leptin receptor (Lepr), transcript variant 3, mRNA

NCBI Reference Sequence: NM_001122899.2

FASTA Graphics

Go to: ▾

LOCUS NM_001122899 5040 bp mRNA linear ROD 14-SEP-2021

DEFINITION Mus musculus leptin receptor (Lepr), transcript variant 3, mRNA

ACCESSION NM_001122899

VERSION NM_001122899.2

KEYWORDS RefSeq

SOURCE Mus musculus (house mouse)

ORGANISM Mus musculus

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Myomorpha; Muridae; Muscinae; Murinae; Mus; Mus.

REFERENCE 1 (bases 1 to 5040)

AUTHORS Cheng W, Ndoka E, Maung JN, Pan W, Rupp AC, Rhodes CJ, Olson DP and Myers MG Jr.

TITLE NTS Prlh overcomes orexigenic stimuli and ameliorates dietary and genetic forms of obesity

JOURNAL Nat Commun 12 (1), 5175 (2021)

PUBMED 34462445

REMARK Publication Status: Online-Only

REFERENCE 2 (bases 1 to 5040)

AUTHORS Gaborit B, Govers R, Altic A, Brunel JM, Morange P and Peiretti F.

TITLE The leptin receptor type 1 inhibits beta-secretase 1-mediated insulin receptor cleavage

JOURNAL J Biol Chem 297 (1), 100818 (2021)

PUBMED 34920592

REFERENCE 3 (bases 1 to 5040)

AUTHORS Yen CH, Chien H, Wu PY and Hung SC.

TITLE PP2A in Lepr⁺ mesenchymal stem cells contributes to embryonic and postnatal endochondral ossification through Runx2 dephosphorylation

JOURNAL Commun Biol 4 (1), 658 (2021)

PUBMED 34079865

REMARK Publication Status: Online-Only

REFERENCE 4 (bases 1 to 5040)

AUTHORS Gruber C, Pan C, Montero RE, Miedemann T, Morgan DA, Skowronski MM, Lefort S, Bernards Murat C, Le Thuc O, Legutko B, Ruiz-Ojeda FJ, Fuente-Fernandez M, Garcia-Villalon AL, Gonzalez-Hedstrom D, Huber M, Szegedi-Buck K, Muller TD, Ussar S, Pfluger P, Wood SC, Erturk A, LeDuc CA, Rahmouni K, Grandao M, Horvath TL, Tschop MH and Garcia-Caceres C.

Articles about the Lepr gene

NTS Prlh overcomes orexigenic stimuli and ameliorates dietary and genetic [Nat Commun. 2021]

PP2A in Lepr⁺ mesenchymal stem cells contributes to embryonic an [Commun Biol. 2021]

The aminosterol Claramine inhibits β -secretase 1-mediated insulin receptor \mathcal{C} [J Biol Chem. 2021]

See all...

Pathways for the Lepr gene

Signaling by Leptin

Mus musculus biological processes

Signaling by Leptin

See all...

Reference sequence information

RefSeq alternative splicing

See 6 reference mRNA sequence splice variants for the Lepr gene.

RefSeq protein product

See the reference protein sequence for leptin

Fig14. Result Page for Nucleotide resource on “Diabetes” [Mus musculus leptin receptor (Lepr), transcript variant 3, mRNA]

NCBI Resources How To

Nucleotide Nucleotide Diabetes Advanced

Species

Animals (34,622)

Plants (4,899)

Fungi (465)

Prokaryotes (17)

Bacteria (94,314)

Archaea (298)

Viruses (779)

Customize...

Molecule types

genomic DNA/RNA (1,283)

mRNA (0)

rRNA (0)

Customize...

Source databases

INSDC (GenBank) (145,324)

RefSeq (4,913)

Customize...

Sequence Type

Nucleotide (149,536)

GSS (747)

Genetic compartments

Chloroplast (1)

Mitochondrion (4,576)

Plasmid (20)

Plastid (1)

Sequence length

Custom range...

Release date

Custom range...

Revision date

Custom range...

Clear all

Show additional filters

Summary ▾ 20 per page ▾ Sort by Default order ▾

See Lepr (DIABETES) leptin receptor in the Gene database

diabetes reference sequences Transcript (6) Protein (6)

Items: 1 to 20 of 150283

Filters activated: genomic DNA/RNA Clear all

1. Mus musculus strain C57BL/6J chromosome 4_ GRCm39

156,860,686 bp linear DNA

Accession: NC_000070.7 GI: 1877089965

Assembly BioProject Protein PubMed Taxonomy

GenBank FASTA Graphics

2. Homo sapiens ras associated with diabetes (rad) gene, complete cds

534 bp linear DNA

Accession: AH007387.2 GI: 1049010672

Protein PubMed Taxonomy

GenBank FASTA Graphics

3. model of diabetes, a screening method for a therapeutic agent or preventing agent for diabetes and a kit therefore

2,287 bp linear DNA

Accession: H249927.1 GI: 1023281208

Taxonomy

GenBank FASTA Graphics

4. Human clone 61.1 diabetes mellitus type 1 autoantigen (ICAp69) gene, partial cds

592 bp linear DNA

Accession: U26593.1 GI: 1674389

Protein PubMed Taxonomy

GenBank FASTA Graphics

5. JP 2016008193-A1: A therapeutic agent or preventing agent for diabetes, a non-human animal model of diabetes, a screening method for a therapeutic agent or preventing agent for diabetes and a kit therefore

JP 2016008193-A1: A therapeutic agent or preventing agent for diabetes, a non-human animal model of diabetes, a screening method for a therapeutic agent or preventing agent for diabetes and a kit therefore

2,287 bp linear DNA

Accession: H249927.1 GI: 1023281208

Taxonomy

GenBank FASTA Graphics

6. JP 2013524829-A2: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

7. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

8. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

9. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

10. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

11. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

12. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

13. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

14. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

15. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

16. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

17. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

18. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

19. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

20. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

21. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

22. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

23. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

24. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

25. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

26. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

27. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

28. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

29. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

30. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

31. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

32. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

33. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

34. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

35. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

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36. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

37. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

38. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

39. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

40. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

41. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

42. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

43. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

44. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

45. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

46. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

47. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

48. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

49. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

50. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

51. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

52. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

53. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

54. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

55. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

56. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

57. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

58. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

59. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

60. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

61. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

62. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

63. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

64. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

65. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

66. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

67. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

68. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

69. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

70. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

71. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

72. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

73. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

74. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

75. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

76. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

77. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

78. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

79. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

80. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

81. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

82. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

83. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

84. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

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85. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

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86. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

GenBank FASTA Graphics

87. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES

58 bp linear DNA

Accession: HW306932.1 GI: 554615693

Taxonomy

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88. JP 2013524829-A1: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND

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Nucleotide Home Help

Nucleotide Advanced Search Builder

Filters activated: genomic DNA/RNA, Clear all

Use the builder below to create your search

Builder

All Fields AND All Fields

Search or Add to history

History

Search	Add to builder	Query	Items found	Time
#20	Add	Search Diabetes Filters: genomic DNA/RNA	150283	10:24:48
#16	Add	Search Diabetes	238594	10:23:45

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Fig16. Advanced search of Query “Diabetes” in Nucleotide resource.

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Fig17. Search page with resource Protein selected with query “Diabetes”

Protein
Protein
Diabetes

Create alert
Advanced
Help

Species
Summary
20 per page
Sort by Default order

See Lehr (DIABETES) leptin receptor in the Gene database

diabetes reference sequences Transcript(6) Protein(6)

See the results of this search (69 items) in our new Identical Protein Groups database.

Items: 1 to 20 of 492708

« First < Prev Page 1 of 24636 Next > Last »

<input type="checkbox"/>	RecName: Full=Steroidogenic factor 1; Short=SF-1; Short=STF-1; Short=hSF-1; AltName: 1. Full=Adrenal 4-binding protein; AltName: Full=Fushi tarazu factor homolog 1; AltName: Full=Nuclear receptor subfamily 5 group A member 1; AltName: Full=Steroid hormone receptor Ad4BP. 461 aa protein	Accession: Q13285.2 GI: 3121738			
PubMed	Taxonomy				
GenPept	Identical Proteins	FASTA	Graphics		
<input type="checkbox"/>	leptin receptor isoform 3 precursor [Mus musculus]				
2.	894 aa protein	Accession: NP_001116371.1 GI: 171543892			
		BioProject	Nucleotide	PubMed	Taxonomy
		GenPept	Identical Proteins	FASTA	Graphics
<input type="checkbox"/>	leptin receptor isoform 1 precursor [Mus musculus]				
3.	1162 aa protein	Accession: NP_666258.2 GI: 171543890			
		BioProject	Nucleotide	PubMed	Taxonomy
		GenPept	Identical Proteins	FASTA	Graphics
<input type="checkbox"/>	leptin receptor isoform 2 precursor [Mus musculus]				
4.	892 aa protein	Accession: NP_034834.1 GI: 8567370			
		BioProject	Nucleotide	PubMed	Taxonomy
		GenPept	Identical Proteins	FASTA	Graphics
<input type="checkbox"/>	leptin receptor isoform X3 [Mus musculus]				
5.	894 aa protein	Accession: XP_036019645.1 GI: 1907154467			
		BioProject	Nucleotide	Taxonomy	

Send to:
[Filters: Manage Filters](#)

Results by taxon
[Top Organisms](#)

Escherichia coli (57944)
Phaeocystis doorei (50004)

Homo sapiens (47578)
Lupinus angustifolius (33092)

Ancyllostoma caninum (30198)
All other taxa (273892)

More...

Find related data
[Database: \[Select\]](#)

[Find items](#)

Search details
[Diabetes\[All Fields\]](#)

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[See more...](#)

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[Diabetes \(492708\)](#)
[Protein](#)

[Lepr leptin receptor \[Mus musculus\]](#)
[Gene](#)

[Diabetes AND \(alive\[prop\]\) \(4095\)](#)
[Gene](#)

[RecName: Full=Steroidogenic factor 1; Short=SF-1; Short=STF-1; Short=hSF-1; Protein](#)
[Structure](#)

[Carcinoma \(1387\)](#)

Fig18. Hit page for search query “Diabetes” in Protein resource

Fig19. Result Page for Protein resource on “Diabetes” [RecName: Full=Steroidogenic factor 1; Short=SF-1; Short=STF-1; Short=hSF-1; AltName: Full=Adrenal 4-binding protein; AltName: Full=Fushi tarazu factor homolog 1; AltName: Full=Nuclear receptor subfamily 5 group A member 1; AltName: Full=Steroid hormone receptor Ad4BP]

The screenshot shows the NCBI Nucleotide search results for the query "Diabetes". The search interface includes a sidebar with filters for Molecule types (genomic DNA/RNA), Source databases (INSDC, RefSeq, GSS), Sequence type (Nucleotide, GenBank, FASTA, Graphics), and Release date. The main results list shows 150283 items, with the first few entries being:

1. **Mus musculus** strain **C57BL/6J** chromosome 4. **GRCm39**
2. **534 bp linear DNA**
3. **JP 2016008193-A/1: A therapeutic agent or preventing agent for diabetes, a non-human animal model of diabetes, a screening method for a therapeutic agent or preventing agent for diabetes and a kit therefor**
4. **592 bp linear DNA**
5. **JP 2013524829-A/2: METHOD FOR DIAGNOSING RISK OF TYPE 1 DIABETES AND FOR PREVENTING ONSET OF TYPE 1 DIABETES**

 The results are further refined by filters for Top Organisms (Homo sapiens, Mus musculus, etc.) and Recent activity (Diabetes, PDB, etc.).

Fig20. Hit page for search query “Diabetes” in resource Protein with Limit option and refined results

The screenshot shows the NCBI Protein Advanced Search Builder. The search bar contains the query "Search Diabetes". The builder interface includes fields for "All Fields" (AND, OR) and "Search" or "Add to history". The history section shows previous searches:

Search	Add to builder	Query	Items found	Time
#21	Add	Search Diabetes Filters: PDB	3727	10:30:27
#9	Add	Search Diabetes	492708	10:30:22

 The footer includes links to Support Center, NCBI Information, and various NCBI services like PubMed, GenBank, and Reference Sequences.

Fig21. Advanced search of Query “Diabetes” in Protein resource.

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Structure Diabetes Search

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New in NCBI Datasets: Species pages and species browser 15 Sep 2021
NCBI Datasets introduces species pages and enables browsing The enables names Learn the best way to find data in NIH's Sequence Read Archive (SRA) on the cloud 15 Sep 2021
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Fig22. Search page with resource Structure selected with query “Diabetes”

NCBI Resources How To Sign in to NCBI

Structure Diabetes Search Create alert Advanced Help

Summary 20 per page Sort by Default order Filter your results: All (1520) NMR (95) X-ray (1367) Manage Filters

Search results Items: 1 to 20 of 1520

1. Diabetes mellitus due to a frustrated Schellman motif in HNF-1α[TRANSCRIPTION REGULATOR]
Taxonomy: synthetic construct
Proteins: 2 modified: 2019-07-26
MMDB ID: 44908 PDB ID: 2GVP
View in iCn3D PubMed Proteins

2. Crystal Structure of Dimerization Domain (1-33) of HNF-1α[TRANSCRIPTION]
Taxonomy: synthetic construct
Proteins: 2 modified: 2018-10-15
MMDB ID: 17011 PDB ID: 1B86
View in iCn3D PubMed Proteins Conserved Domains

3. Crystal Structure Of Hepatocyte Nuclear Factor 4α/α in Complex With Dna: Diabetes Gene Product[TRANSCRIPTION DNA]
Taxonomy: Homo sapiens
Proteins: 2 Nucleic acids: 2 (DNA) Chemicals: 4 modified: 2017-11-01
MMDB ID: 67162 PDB ID: 3CB6
View in iCn3D Similar Structures PubMed Proteins Conserved Domains PubChem Compound

4. PARADOXICAL STRUCTURE AND FUNCTION IN A MUTANT HUMAN INSULIN ASSOCIATED WITH DIABETES MELLITUS[HORMONE]
Taxonomy: Homo sapiens
Proteins: 2 modified: 2018-05-29
MMDB ID: 1193 PDB ID: 1H4C
View in iCn3D PubMed Proteins Conserved Domains

5. Non-Standard Design Of Unstable Insulin Analogues With Enhanced Activity[HormoneGROWTH FACTOR]
Taxonomy: synthetic construct
Proteins: 6 Chemicals: 3 modified: 2013-03-12
MMDB ID: 16677 PDB ID: 1ICA
View in iCn3D PubMed Proteins Conserved Domains PubChem Compound

6. Crystal Structure Of An Unstable Insulin Analog With Native Activity[HormoneGROWTH FACTOR]
Taxonomy: synthetic construct
Proteins: 12 Chemicals: 8 modified: 2012-09-18
MMDB ID: 16493 PDB ID: 1J73
View in iCn3D PubMed Proteins Conserved Domains PubChem Compound

Refine your results - What's this?
Protein Family Domains Families (1,238) Superfamilies (1,390)
Complexes Protein-Protein (912) Protein-DNA (12) Protein-Chemical (1,272)
Ligands PubChem (1,445) PMC (602)
Taxonomy (1,512)

Find related data Database: Select
Find items

Search details Diabetes[All Fields]
Search See more...

Recent activity Turn off Clear
Diabetes (1520) Structure
RecName: Full=Steroidogenic factor 1; Short=SF-1

Fig23. Hit page for search query “Diabetes” in Structure resource

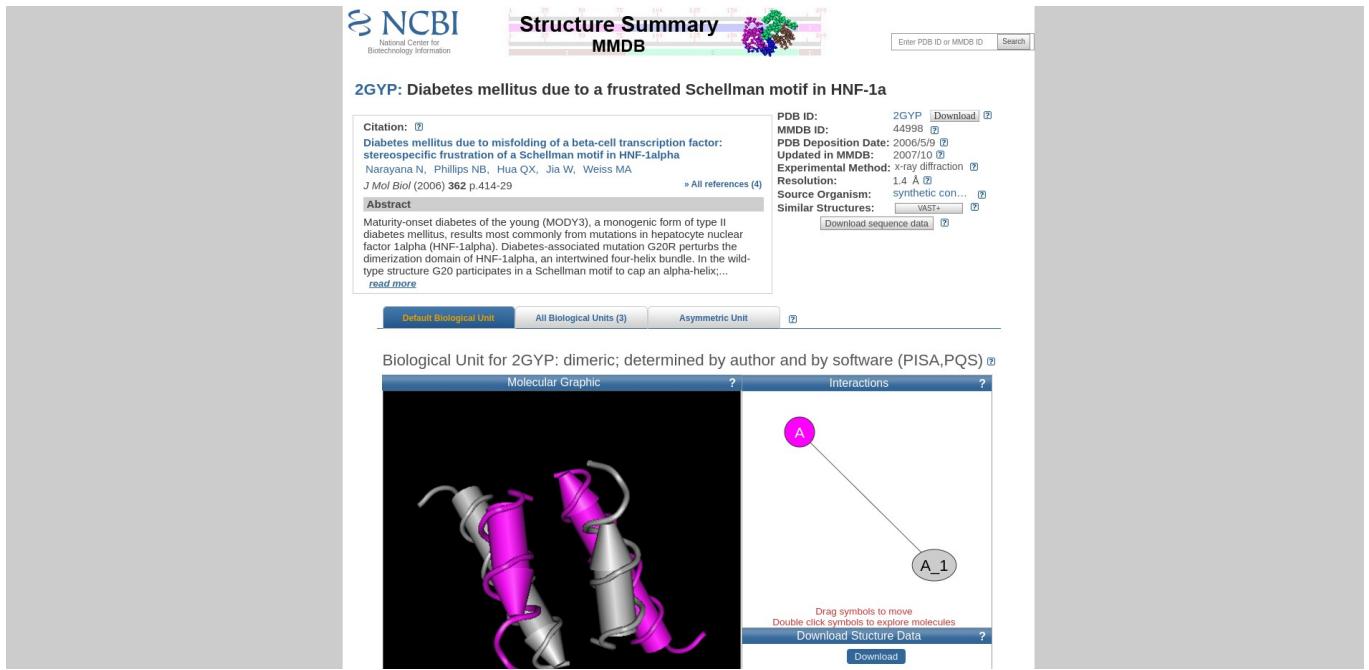


Fig24. Result Page for Structure resource on Diabetes [Diabetes mellitus due to a frustrated Schellman motif in HNF-1a]

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Structure Search

Items: 1 to 20 of 752

Summary 20 per page Sort by Default order

Send to: Filter your results: All (752) NMR (0) X-ray (711) Manage Filters

Search results

1. Crystal Structure Of Hepatocyte Nuclear Factor 4alpha In Complex With Dna: Diabetes Gene Product[TranscriptionDNA]
Taxonomy: Homo sapiens
Proteins: 2 Nucleic acids: 2 (DNA) Chemicals: 4 modified: 2017-11-01
MMDB ID: 37162 PDB ID: 3CB8
View in ICM3D Similar Structures PubMed Proteins Conserved Domains PubChem Compound

2. Non-standard Design Of Unstable Insulin Analogs With Enhanced Activity/HormoneGROWTH FACTOR]
Taxonomy: synthetic construct
Proteins: 6 Chemicals: 3 modified: 2013-02-12
MMDB ID: 16677 PDB ID: 1ICA
View in ICM3D Similar Structures PubMed Proteins Conserved Domains PubChem Compound

3. Crystal Structure Of An Unstable Insulin Analog With Native Activity/HormoneGROWTH FACTOR]
Taxonomy: synthetic construct
Proteins: 12 Chemicals: 6 modified: 2012-09-18
MMDB ID: 16493 PDB ID: 1773
View in ICM3D Similar Structures PubMed Proteins Conserved Domains PubChem Compound

4. Development Of A Therapeutic Monoclonal Antibody Targeting Secreted Ap2 To Treat Type 2 Diabetes[immune System]
Taxonomy: Mus musculus
Proteins: 3 Chemicals: 1 modified: 2017-08-04
MMDB ID: 135477 PDB ID: 5D8J
View in ICM3D Similar Structures PubMed Proteins Conserved Domains PubChem Compound

5. Acyl Ureas As Human Liver Glycopen Phosphorylase Inhibitors For The Treatment Of Type 2 Diabetes[translational Medicine]
Taxonomy: Octocotylus cuniculus
Proteins: 2 Chemicals: 4 modified: 2012-11-11
MMDB ID: 36562 PDB ID: 1WUT
View in ICM3D Similar Structures PubMed Proteins Conserved Domains PubChem Compound

6. Crystal structure of the Class I MHC Molecule H-2Kw7 with a Single Self Peptide IQQSIERL[IMMUNE SYSTEM]
Taxonomy: Mus musculus, synthetic construct
Proteins: 3 Chemicals: 1 modified: 2018-11-07
MMDB ID: 79199 PDB ID: 3F0M
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Refine your results • What's this?
Protein Domain Families Families (621) Superfamilies (680)
Complexes Protein-Protein (752) Protein-DNA (7) Protein-Chemical (752)
Literature PubMed (696) PMC (286)
Taxonomy (749)

Find related data Database: Select

Search details Diabetes[All Fields] AND complex_ligand[filter] AND complex_protein[filter]

Recent activity Turn off Clear

Diabetes AND (complex_ligand[filter] AND (complex_protein[filter])) Structure
Diabetes AND (complex_ligand[filter]) (1272) Structure
Diabetes (1520) Structure

Fig25. Hit page for search query “Diabetes” in resource Structure with Limit option and refined results

Use the builder below to create your search

Builder

Search Diabetes AND (complex_ligand[flit]) AND (complex_protein[flit])

History

Search	Add to builder	Query	Items found	Time
#23	Add	Search Diabetes AND (complex_ligand[flit]) AND (complex_protein[flit])	752	10:35:54
#22	Add	Search Diabetes AND (complex_ligand[flit])	1272	10:35:48
#7	Add	Search Diabetes	1520	10:35:32
#8	Add	Search Carcinoma	1387	09:33:36

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Genomes & Maps Homology Literature Gene Influenza Virus NCBI on YouTube

Homology Literature Protein Primer-BLAST Sequence Read Archive Privacy Policy

Proteins Sequence Analysis Taxonomy Variation

National Center for Biotechnology Information, U.S. National Library of Medicine
8600 Rockville Pike, Bethesda MD, 20894 USA

Fig26. Advanced search of Query “Diabetes” in Structure resource.

Resources:

The resources used were:

1. Gene
2. NLM Catalog
3. Nucleotide
4. Protein
5. Structure

Conclusion:

To conclude the NCBI is a great website with plenty of resources to find and study data. The advanced filters, Limit options, The resource selection are all tools that are crucial to the efficient searching of information and NCBI makes it easy to access huge amounts of data swiftly and without bloat.

References:

1. <https://www.ncbi.nlm.nih.gov/gene/?term=Diabetes>
2. <https://www.ncbi.nlm.nih.gov/gene/advanced>
3. <https://www.ncbi.nlm.nih.gov/gene/16847>
2. **NLM Catalog**
 1. <https://www.ncbi.nlm.nih.gov/nlmcatalog/?term=Diabetes>
 2. <https://www.ncbi.nlm.nih.gov/nlmcatalog/advanced>
 3. <https://www.ncbi.nlm.nih.gov/nlmcatalog/466125>
3. **Nucleotide**
 1. <https://www.ncbi.nlm.nih.gov/nuccore/?term=Diabetes>
 2. <https://www.ncbi.nlm.nih.gov/nuccore/advanced>

3. https://www.ncbi.nlm.nih.gov/nuccore/NM_001122899.2

4. Protein

1. <https://www.ncbi.nlm.nih.gov/protein/?term=Diabetes>
2. <https://www.ncbi.nlm.nih.gov/protein/advanced>
3. <https://www.ncbi.nlm.nih.gov/protein/Q13285.2>

5. Structure

1. <https://www.ncbi.nlm.nih.gov/structure/?term=Diabetes>
2. <https://www.ncbi.nlm.nih.gov/structure/advanced>
3. <https://www.ncbi.nlm.nih.gov/Structure/pdb/2GYP>