

What Is Gene Expression Wiki Answers

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What Is Gene Expression Wiki

Gene expression is the process by which information from a gene is used in the synthesis of a functional gene product. These products are often proteins, but in non-protein coding genes such as transfer RNA (tRNA) or small nuclear RNA (snRNA) genes, the product is a functional RNA.

Gene expression - Wikipedia

In the field of molecular biology, gene expression profiling is the measurement of the activity (the expression) of thousands of genes at once, to create a global picture of cellular function. These profiles can, for example, distinguish between cells that are actively dividing, or show how the cells react to a particular treatment.

Gene expression profiling - Wikipedia

Diagram showing at which stages in the DNA-mRNA-protein pathway expression can be controlled. Regulation of gene expression includes a wide range of mechanisms that are used by cells to increase or decrease the production of specific gene products (protein or RNA), and is informally termed gene regulation.

Regulation of gene expression - Wikipedia

Gene expression profiling. Gene expression profiling is a technique used in molecular biology to query the expression of thousands of genes simultaneously. While almost all cells in an organism contain the entire genome of the organism, only a small subset of those genes is expressed as messenger RNA (mRNA) at any given time,...

Gene expression profiling in cancer - Wikipedia

Gene expression is the process by which the heritable information in a gene, the sequence of DNA base pairs, is made into a functional gene product, such as protein or RNA. The basic idea is that DNA is transcribed into RNA, which is then translated into proteins. Proteins make many of the structures and all the enzymes in a cell or organism.

Gene expression - Simple English Wikipedia, the free ...

Gene expression is the process by which inheritable information from a gene, such as the DNA sequence, is made into a functional gene product, such as protein or RNA.

What is gene expression - answers.com

Gene co-expression network. A gene co-expression network (GCN) is an undirected graph, where each node corresponds to a gene, and a pair of nodes is connected with an edge if there is a significant co-expression relationship between them.

Gene co-expression network - Wikipedia

differential gene expression. Also found in: Dictionary, Thesaurus, Legal, Encyclopedia. gene expression that responds to signals or triggers; a means of gene regulation, for example, effects of certain hormones on protein biosynthesis.

Differential gene expression | definition of differential ...

Gene expression isn't needed all the time, but when it is the gene makes a copy called messenger RNA(mRNA). The creation of the mRNA is an intricate process that involves transcription .

What Is Gene Expression? - Regulation, Analysis & Definition

In biology, a gene is a sequence of DNA or RNA that codes for a molecule that has a function. During gene expression, the DNA is first copied into RNA. The RNA can be directly functional or be the intermediate template for a protein that performs a function.

Gene - Wikipedia

Gene expression. Gene expression refers to all the processes involved in converting genetic information from a DNA sequence to make that protein. In prokaryotes, there are just two processes

required: transcription and translation. In eukaryotes, there is an additional step, RNA processing (splicing), which intervenes.

Gene expression - RationalWiki

Gene expression is the process by which information from a gene is used in the synthesis of a functional gene product. These products are often proteins, but in non-protein coding genes such as rRNA genes or tRNA genes, the product is a functional RNA.

Gene expression - The Full Wiki

Gene expression is the process by which the heritable information in a gene, the sequence of DNA base pairs, is made into a functional gene product, such as protein or RNA. The basic idea is that DNA is transcribed into RNA, which is then translated into proteins. Proteins make many of the structures and all the enzymes in a cell or organism.

Gene expression Facts for Kids | KidzSearch.com

Gene expression, also called protein expression or often simply expression is the process by which a gene's DNA sequence is converted into the structures and functions of a cell. Gene expression is a multi-step process that begins with transcription of DNA , which genes are made of, into messenger RNA .

Gene expression | Psychology Wiki | FANDOM powered by Wikia

Gene Expression in Prokaryotes. Prokaryotes only transcribe genes that their end-proteins are needed at the time. They do this in order to save up energy and increase efficiency. The regulation of gene expression is depended mainly on their immediate environment, for example on the presence and absence of nutrients.

Gene Expression in Prokaryotes - WikiLectures

expression [eks-presh'un] 1. the aspect or appearance of the face as determined by the physical or emotional state. 2. the act of squeezing out or evacuating by pressure. 3. gene expression. gene expression 1. the flow of genetic information from gene to protein. 2. the process, or the regulation of the process, by which the effects of a gene are ...

Gene expression | definition of gene expression by Medical ...

What is gene expression? Gene expression is the process by which the instructions in our DNA are converted into a functional product, such as a protein. When the information stored in our DNA is converted into instructions for making proteins or other molecules, it is called gene expression .

What is gene expression? | Facts | yourgenome.org

GEO Gene Expression Omnibus (GEO)] is the public repository for high throughput data at NCBI. GEO contains Microarray and other transcriptome data in MIAME compliant formats ChIP-chip data Content. Content in GEO has data describes as

Gene Expression Omnibus (GEO) - EcoliWiki

Gene expression is the process by which information from a gene is used in the synthesis of a functional gene product ...

Gene expression - Wikipedia

Regulation of gene expression (gene regulation) is the cellular control of the amount and timing of appearance of the functional product of a gene. Although a functional gene product may be an RNA or a protein, the majority of the known mechanisms regulate the expression of protein coding genes.

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