



Primer-BLAST Primer-Blast results

NCBI/ [Primer-BLAST](#) : results: Job id=UliNVh-VEj01AwgGBWYsNH99PQZSbiYbUw [more...](#)

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Input PCR template

none

Specificity of primers

Target templates were found in selected database: Nucleotide collection (nt)
(Organism limited to Homo sapiens)

Other reports

[Search Summary](#)

Detailed primer reports

Primer pair 1

	Sequence (5'->3')	Length	Tm	GC%	Self complementarity	Self 3' complementarity
Forward primer	GCAGAAAGCAAGGACCAA	18	55.46	50.00	3.00	0.00
Reverse primer	GGATGAGCAGCGATGAAG	18	55.65	55.56	4.00	0.00

Products on intended target

Products on allowed transcript variants

Products on potentially unintended templates

Products on target templates

>[AB977276.1](#) Homo sapiens mRNA for T cell receptor alpha chain V-J-region, partial cds, isolate: Donor4-TRA9

product length = 223					
Forward primer	1	GCAGAAAGCAAGGACCAA	18		
Template	47	64		
Reverse primer	1	GGATGAGCAGCGATGAAG	18		
Template	269	252		

>[AB977085.1](#) Homo sapiens mRNA for T cell receptor alpha chain V-J-region, partial cds, isolate: E(2)-TRA19

product length = 223					
Forward primer	1	GCAGAAAGCAAGGACCAA	18		
Template	116	133		
Reverse primer	1	GGATGAGCAGCGATGAAG	18		
Template	338	321		

>[AB976937.1](#) Homo sapiens mRNA for T cell receptor alpha chain V-J-region, partial cds, isolate: E(1)-TRA153

```
product length = 223
Forward primer 1      GCAGAAAGCAAGGACCAA 18
Template       518 ..... 535

Reverse primer 1      GGATGAGCAGCGATGAAG 18
Template       740 ..... 723
```

>[NG_001332.2](#) Homo sapiens T cell receptor alpha delta locus (TCRA/TCRD) on chromosome 14

```
product length = 223
Forward primer 1      GCAGAAAGCAAGGACCAA 18
Template       235890 ..... 235907

Reverse primer 1      GGATGAGCAGCGATGAAG 18
Template       236112 ..... 236095
```

>[AE000521.1](#) Human T-cell receptor alpha delta locus, complete sequence

```
product length = 223
Forward primer 1      GCAGAAAGCAAGGACCAA 18
Template       218439 ..... 218456

Reverse primer 1      GGATGAGCAGCGATGAAG 18
Template       218661 ..... 218644
```

>[EU427373.1](#) Homo sapiens clone EB81-CTL 16 truncated T cell receptor variable alpha 2 chain (TRA) mRNA, complete cds

```
product length = 223
Forward primer 1      GCAGAAAGCAAGGACCAA 18
Template       67 ..... 84

Reverse primer 1      GGATGAGCAGCGATGAAG 18
Template       289 ..... 272
```

>[AB360833.1](#) Homo sapiens mRNA for T cell receptor alpha variable 2, partial cds, clone: non 365

```
product length = 223
Forward primer 1      GCAGAAAGCAAGGACCAA 18
Template       70 ..... 87

Reverse primer 1      GGATGAGCAGCGATGAAG 18
Template       292 ..... 275
```

>[AB305785.1](#) Homo sapiens mRNA for T cell receptor alpha variable 2, partial cds, clone: SEB 409

```
product length = 223
Forward primer 1      GCAGAAAGCAAGGACCAA 18
Template       169 ..... 186
```

```
Reverse primer 1      GGATGAGCAGCGATGAAG 18
Template       391 ..... 374
```

>[AB305784.1](#) Homo sapiens mRNA for T cell receptor alpha variable 2, partial cds, clone: SEB
408

```
product length = 223
Forward primer 1      GCAGAAAGCAAGGACCAA 18
Template       60 ..... 77

Reverse primer 1      GGATGAGCAGCGATGAAG 18
Template       282 ..... 265
```

>[AB305767.1](#) Homo sapiens mRNA for T cell receptor alpha variable 2, partial cds, clone: SEB
368

```
product length = 223
Forward primer 1      GCAGAAAGCAAGGACCAA 18
Template       76 ..... 93

Reverse primer 1      GGATGAGCAGCGATGAAG 18
Template       298 ..... 281
```

>[AB305745.1](#) Homo sapiens mRNA for T cell receptor alpha variable 2, partial cds, clone: SEB
314

```
product length = 223
Forward primer 1      GCAGAAAGCAAGGACCAA 18
Template       76 ..... 93

Reverse primer 1      GGATGAGCAGCGATGAAG 18
Template       298 ..... 281
```

>[AB305741.1](#) Homo sapiens mRNA for T cell receptor alpha variable 2, partial cds, clone: SEB
307

```
product length = 223
Forward primer 1      GCAGAAAGCAAGGACCAA 18
Template       70 ..... 87

Reverse primer 1      GGATGAGCAGCGATGAAG 18
Template       292 ..... 275
```

>[AB305736.1](#) Homo sapiens mRNA for T cell receptor alpha variable 2, partial cds, clone: SEB
295

```
product length = 223
Forward primer 1      GCAGAAAGCAAGGACCAA 18
Template       77 ..... 94

Reverse primer 1      GGATGAGCAGCGATGAAG 18
Template       299 ..... 282
```

>[AB306119.1](#) Homo sapiens mRNA for T cell receptor alpha variable 2, partial cds, clone: un 272-1

product length = 223

Forward primer 1 GCAGAAAGCAAGGACCAA 18
 Template 76 93

Reverse primer 1 GGATGAGCAGCGATGAAG 18
 Template 298 281

>[AB306085.1](#) Homo sapiens mRNA for T cell receptor alpha variable 2, partial cds, clone: un 211

product length = 223

Forward primer 1 GCAGAAAGCAAGGACCAA 18
 Template 75 92

Reverse primer 1 GGATGAGCAGCGATGAAG 18
 Template 297 280

>[AB306083.1](#) Homo sapiens mRNA for T cell receptor alpha variable 2, partial cds, clone: un 190

product length = 223

Forward primer 1 GCAGAAAGCAAGGACCAA 18
 Template 57 74

Reverse primer 1 GGATGAGCAGCGATGAAG 18
 Template 279 262

>[DQ097917.1](#) Homo sapiens T cell receptor alpha variable 2 (TRAV2) gene, partial cds

product length = 223

Forward primer 1 GCAGAAAGCAAGGACCAA 18
 Template 450 467

Reverse primer 1 GGATGAGCAGCGATGAAG 18
 Template 672 655

>[X04936.1](#) Human mRNA for T-cell receptor alpha-chain HAVP02 (V(a)11.1-J(a)I)

product length = 223

Forward primer 1 GCAGAAAGCAAGGACCAA 18
 Template 67 84

Reverse primer 1 GGATGAGCAGCGATGAAG 18
 Template 289 272

>[L06879.1](#) Homo sapiens rearranged T-cell receptor alpha chain, variable region, 3' end

product length = 226

Forward primer 1 GCAGAAAGCAAGGACCAA 18
 Template 31 48

Reverse primer 1 GGATGAGCAGCGATGAAG 18
 Template 256 239

>[M17659.1](#) Human T-cell receptor active alpha-chain V-region (V-J-C) mRNA, partial cds, clone AB19

product length = 223

Forward primer 1 GCAGAAAGCAAGGACCAA 18

Template 44 61

Reverse primer 1 GGATGAGCAGCGATGAAG 18

Template 266 249

>[AC243972.3](#) Homo sapiens BAC clone CH17-451C3 from chromosome 14, complete sequence

product length = 223

Forward primer 1 GCAGAAAGCAAGGACCAA 18

Template 55205 55188

Reverse primer 1 GGATGAGCAGCGATGAAG 18

Template 54983 55000

>[AB305729.1](#) Homo sapiens mRNA for T cell receptor alpha variable 2, partial cds, clone: SEB 280

product length = 223

Forward primer 1 GCAGAAAGCAAGGACCAA 18

Template 16 33

Reverse primer 1 GGATGAGCAGCGATGAAG 18

Template 238 A..... 221

>[X04941.1](#) Human mRNA for T-cell receptor alpha-chain HAVP29 V(a)11.1-J(a)G

product length = 223

Forward primer 1 GCAGAAAGCAAGGACCAA 18

Template 1 -..... 17

Reverse primer 1 GGATGAGCAGCGATGAAG 18

Template 222 205

>[X92884.1](#) H.sapiens mRNA for T cell receptor alpha (clone XPHC46III)

product length = 223

Forward primer 1 GCAGAAAGCAAGGACCAA 18

Template 1 --..... 16

Reverse primer 1 GGATGAGCAGCGATGAAG 18

Template 221 204

>[Z47368.1](#) H.sapiens mRNA for T-cell receptor alpha-chain V-J-C region

product length = 223

Forward primer 1 GCAGAAAGCAAGGACCAA 18

Template 1 --..... 16

```
Reverse primer 1    GGATGAGCAGCGATGAAG 18
Template      221  ..... 204
```

>[M13742.1](#) Homo sapiens T cell receptor alpha chain mRNA, partial cds

product length = 223

```
Forward primer 1  GCAGAAAGCAAGGACCAA 18
```

```
Template      1  --..... 16
```

```
Reverse primer 1    GGATGAGCAGCGATGAAG 18
```

```
Template      221  ..... 204
```