



ImmPort Protein Detailed Report

Basic Protein Detailed Report

The following are the sources of the basic protein information presented on this page.

Protein - UniProt, NCBI Entrez Gene

Reference - UniProt

Feature - UniProt

Sequence - UniProt

Function - Gene Ontology

Pathway - KEGG

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Link(s)

About Reference Data

For dates of when data were extracted from their original sources, see Reference Data History on the side navigation under the reference data query module.

Reference Data / Protein Detailed Report

[Home](#) | [Genes](#) | [Proteins](#) | [MHC Alleles](#) | [Pathways](#) | [Protein Networks](#) | [SNPs](#) | [ImmPort Gene Lists](#) | [Immunologically Related Genes](#) | [Download](#) | [Data History](#)

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IL20_HUMAN | I20RA_HUMAN

Protein Summary

Protein Name:	Interleukin-20								
Swiss-Prot/KB Accession:	Q9NYY1								
Swiss-Prot/KB Entry Name:	IL20_HUMAN								
Organism & Taxon ID:	Human 9606								
Entrez Gene:	<table border="1"> <thead> <tr> <th>Gene ID</th> <th>Gene Symbol</th> <th>Gene Synonyms</th> </tr> </thead> <tbody> <tr> <td>50604</td> <td>IL20</td> <td>IL-20; IL10D; MGC96907; ZCYTO10</td> </tr> </tbody> </table>	Gene ID	Gene Symbol	Gene Synonyms	50604	IL20	IL-20; IL10D; MGC96907; ZCYTO10	[Details Build 36.1, hg18] [Details Build 35, hg17]	
Gene ID	Gene Symbol	Gene Synonyms							
50604	IL20	IL-20; IL10D; MGC96907; ZCYTO10							

RefSeq Peptide

Q9NYY1 / AAH69398 / AAH69487 /
 AAI17391 / Q2TH / AAQ88686 / A
 EAW93521 / AAH69425 / - / AAH7
 AAH69311 / NP_061194 / AAH69449

Protein gi

5 / 47481041 / 47480771 / 47479432 / 58429948 /
 98 / 121945672 / 37181759 / 47479476 / 109658728 /
 1 / 119613927 / 47479504 / - / 50959850 / 50960339 /
 / 47480995 / 31083166 / 47480912 / 47480992 /
 26 /

References

Features

Protein Sequence

Functions

Pathways

Export

Opening output_1256158719768.txt

You have chosen to open

output_1256158719768.txt
 which is a: Text Document
 from: <https://www.immport.net>

What should Firefox do with this file?

Open with: Notepad (default)

Save File

Do this automatically for files like this from now on.

OK Cancel

Expand the collapsed tabs for detailed information on protein summary

RefSeq Peptide, References, Features

RefSeq Peptide	Protein gi
Q9NYY1 / AAH69398 / AAH69487 / AAH69523 / AAW78348 / AAI17391 / Q2TH / AAQ88686 / AAH69364 / AAI17387 / AAK84423 / EAW93521 / AAH69425 / - / AAH74948 / AAH74949 / AAF36679 / AAH69311 / NP_061194 / AAH69449 / AAH69559 / EAW93520 /	38258955 / 47481041 / 47480771 / 47479432 / 58429948 / 109658898 / 121945672 / 37181759 / 47479476 / 109658728 / 15128211 / 119613927 / 47479504 / - / 50959850 / 50960339 / 7109207 / 47480995 / 31083166 / 47480912 / 47480992 / 119613926 /

References

PubMed ID	Title
[11163236]	Interleukin 20: discovery, receptor identification, and role in epidermal function.
[15489334]	The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC).
[15340161]	Signal peptide prediction based on analysis of experimentally verified cleavage sites.
[12975309]	The secreted protein discovery initiative (SPDI), a large-scale effort to identify novel human secreted and transmembrane proteins: a bioinformatics assessment.

Cross References:

Comments: Cytokine that may be involved in epidermal function and psoriasis. Acts through STAT3. Expressed at very low levels in skin, trachea, and other tissues. Belongs to the IL-10 family.

Features

Feature Type	Feature Description	Begin	End
signal peptide		1	24
chain	Interleukin-20	25	176
disulfide bond		33	126
disulfide bond		80	132
disulfide bond		81	134
sequence variant	(in dbSNP:rs35856950)	107	
sequence conflict	(in Ref. 1; AAF36679)	48	
sequence conflict	(in Ref. 2; AAQ88686)	126	

Protein Sequence, Functions, Pathways

Protein Sequence

Sequence: [\[View\]](#)

[\[View\]](#)

[\[View\]](#)

Functions

GO: GO:0005125 cytokine activity
GO:0005576 extracellular region
GO:0005615 extracellular space
GO:0042517 positive regulation of tyrosine phosphorylation of Stat3 protein
GO:0045517 interleukin-20 receptor binding
GO:0045606 positive regulation of epidermal cell differentiation
GO:0045618 positive regulation of keratinocyte differentiation
GO:0050727 regulation of inflammatory response

Pathways

KEGG: [path:hsa04630](#) Jak-STAT signaling pathway
[path:hsa04060](#) Cytokine-cytokine receptor interaction

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