IL1F5 Peptide - Middle Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	IL1F5, Blocking Peptide
Full Product Name	IL1F5 Peptide - middle region
Product Gene Name	IL1F5 blocking peptide
Product Synonym Gene Name	FIL1; FIL1(DELTA); FIL1D; IL1HY1; IL1L1; IL1RP3; MGC29840; IL1F5; PSORP; IL36RA; IL36RN
Sequence	LTSSFESAAY PGWFLCTVPE ADQPVRLTQL PENGGWNAPI TDFYFQQCD
Species Reactivity	Human
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	IL1F5 peptide (MBS3237266) is used for blocking the activity of IL1F5 antibody (MBS3212319)
Molecular Weight	17kDa
OMIM	605507
Product Categories/Family for IL1F5 blocking peptide	Peptide
Applications Tested/Suitable for IL1F5 blocking peptide	Western Blot (WB)
Related Product Information for IL1F5 blocking peptide	The protein encoded by this gene is a member of the interleukin 1 cytokine family. This cytokine was shown to specifically inhibit the activation of NF-kappaB induced by interleukin 1 family, member 6 (IL1F6). This gene and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2. Two alternatively spliced transcript variants encoding the same protein have been reported.
Other Notes	Small volumes of IL1F5 blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for IL1F5 purchase	MBS3237266 is a blocking peptide targeting IL1F5. Also known as IL1F5 Peptide - middle region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL1F5. It may not necessarily be applicable to this product.

NCBI GI #	27894310
NCBI GeneID	26525
NCBI Accession #	NP_775262
UniProt Primary Accession #	Q9UBH0
UniProt Related Accession #	Q9UBH0
GenBank Nucleotide #	NM_173170
NCBI Official Full Name	interleukin-36 receptor antagonist protein
NCBI Official Synonym Full Names	interleukin 36 receptor antagonist

NCBI Official Symbol	IL36RN
NCBI Official Synonym Symbols	FIL1; FIL1D; IL1F5; IL1L1; PSORP; IL1HY1; IL1RP3; IL36RA; IL-36Ra; PSORS14; FIL1(DELTA)
UniProt Protein Name	Interleukin-36 receptor antagonist protein
UniProt Synonym Protein Names	FIL1 delta; IL-1-related protein 3; IL-1RP3; Interleukin-1 HY1; IL-1HY1; Interleukin-1 delta; IL-1 delta; Interleukin-1 family member 5; IL-1F5; Interleukin-1 receptor antagonist homolog 1; IL-1ra homolog 1; Interleukin-1-like protein 1; IL-1L1
UniProt Gene Name	IL36RN
UniProt Synonym Gene Names	FIL1D; IL1F5; IL1HY1; IL1L1; IL1RP3; IL-1RP3; IL-1HY1; IL-1 delta; IL-1F5; IL-1ra homolog 1; IL-1L1
UniProt Entry Name	I36RA_HUMAN
NCBI Protein Information	interleukin-36 receptor antagonist protein
UniProt Comments for IL1F5	IL1F5: Is a highly and a specific antagonist of the IL-1 receptor-related protein 2-mediated response to interleukin 1 family member 9 (IL1F9). Could constitute part of an independent signaling system analogous to interleukin-1 alpha (IL-1A), beta (IL-1B) receptor agonist and interleukin-1 receptor type I (IL- 1R1), that is present in epithelial barriers and takes part in local inflammatory response. Defects in IL36RN are the cause of psoriasis generalized pustular (PSORP). PSORP is a life-threatening disease defined by repeated flares of sudden onset consisting of diffuse erythematous skin eruption characterized by rapid coverage with pustules, high-grade fever, asthenia, marked leukocytosis, and elevated serum levels of C-reactive protein. Belongs to the IL-1 family. Protein type: Cytokine Chromosomal Location of Human Ortholog: 2q14 Cellular Component: extracellular space Molecular Function: cytokine activity; interleukin-1 receptor binding; protein binding Biological Process: antifungal humoral response; negative regulation of cytokine and chemokine mediated signaling pathway; negative regulation of interleukin-17 production Disease: Psoriasis 14, Pustular
Research Articles on IL1F5	**1.** systemic lupus erythematosus patients had significantly decreased serum IL-36Ra levels
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