

IL-36 beta Active Protein | IL36B active protein

Recombinant Human IL-36 beta Protein

CATALOG #
AAA281420

HOST
E Coli

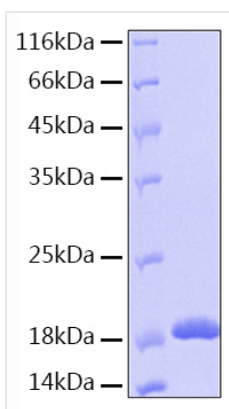
PRODUCT SYNONYMS

IL-36 beta; Recombinant Human IL-36 beta Protein; FIL1; FIL1-(ETA); FIL1H; FIL1-(ETA); IL-1F8; IL-1H2; IL1-ETA; IL1F8; IL1H2; IL36B active protein

PRODUCT SPECIFICATIONS

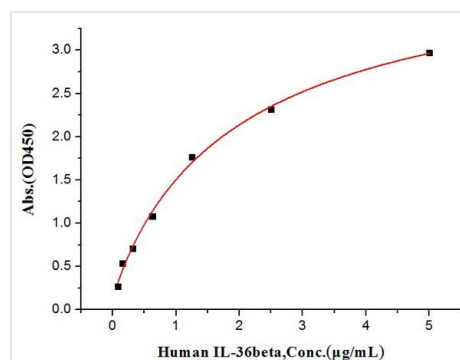
Host	E Coli
Purity/Purification	>92% by SDS-PAGE.
Form/Format	Lyophilized from a 0.22 um filtered solution of PBS, pH 7.4.
Sequence	REAAPKSYAI RDSRQMWWVL SGNSLIAAPL SRSIKPVT LH LIACRDTEFS DKEKGNMVYL GIKGKDLCLF CAEIQKGKPTL QLKEKNIMDL YVEKKAQKPF LFFHNKEGST SVFQSVSYPG WFIATSTTSG QPIFLTKERG ITNNTNFYLD SVE
Sequence Length	164
Species	Human
Endotoxin	< 0.1 EU/ug of the protein by LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized recombinant human IL-36 beta at 1 ug/mL (100 uL/well) can bind recombinant human IL-1 Rrp2 Fc Chimera with a linear range of 0.15-5 ug/ml.
Reconstitution	Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.
Tag	6xHis tag at the C-terminus
Preparation and Storage	Store the lyophilized protein at -20 degree C to -80 degree C for long term. After reconstitution, the protein solution is stable at -20 degree C for 3 months, at 2-8 degree C for up to 1 week.

IMAGES



SDS-PAGE

Recombinant Human IL-36 beta Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 18 kDa.



Bioactivity

Measured by its binding ability in a functional ELISA. Immobilized recombinant human IL-36 beta at 1 ug/mL (100 uL/well) can bind recombinant human IL-1 Rrp2 Fc Chimera with a linear range of 0.15-5 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for IL36B active protein	Description: Recombinant Human IL-36 beta Protein is produced by E. coli expression system. The target protein is expressed with sequence (Arg5-Glu157) of human IL-36 beta (Accession #NP_775270.1) fused with a 6xHis tag at the C-terminus. Background: Interleukin-1 family member 8(IL1F8) also known as IL36B, is a member of the interleukin 1(IL-1) cytokine family. IL-36 beta is expressed by keratinocytes, naïve CD4+ T cells, neurons, and glia. It is up-regulated in keratinocytes and synovial fibroblasts by inflammatory stimulation and in psoriatic lesions. IL-36 beta promotes inflammatory responses by enhancing the activation and Th1 polarization of dendritic cells and T cells. It also enhances the production of multiple pro-inflammatory cytokines, chemokines, and anti-bacterial defensin peptides by keratinocytes, synovial fibroblasts, and articular chondrocytes. IL-1 family members exert their effects through binding to receptors that belong to the IL-1 receptor (IL-1R) family.
Product Categories/Family for IL36B active protein	Cytokines & Cytokine Receptors

NCBI AND UNIPROT INFORMATION

NCBI GI #	20070252
NCBI GeneID	27177
NCBI Accession #	NP_055253.2
NCBI GenBank Nucleotide #	NP_055253.2
UniProt Accession #	Q9NZH7
NCBI Official Full Name	interleukin-36 beta isoform 1
NCBI Official Synonym Full Names	interleukin 36 beta
NCBI Official Symbol	IL36B
NCBI Official Synonym Symbols	FIL1; FIL1H; IL1F8; IL1H2; IL-1F8; IL-1H2; IL1-ETA; FIL1-(ETA); FILI-(ETA)
NCBI Protein Information	interleukin-36 beta
UniProt Protein Name	Interleukin-36 beta
UniProt Gene Name	IL36B
UniProt Synonym Gene Names	IL1F8; IL1H2; IL-1 eta; IL-1F8; IL-1H2
UniProt Entry Name	IL36B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.