

IL36B active protein

Recombinant Human IL36B

CATALOG #
AAA214303

HOST
E Coli

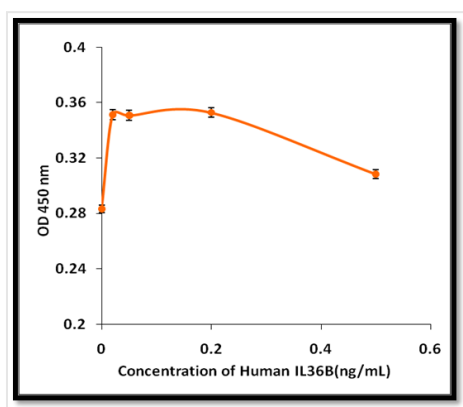
PRODUCT SYNONYMS

IL36B; Recombinant Human IL36B; FIL1 eta; Interleukin-1 eta; Interleukin-1 family member 8; Interleukin-1 homolog 2; IL36B active protein

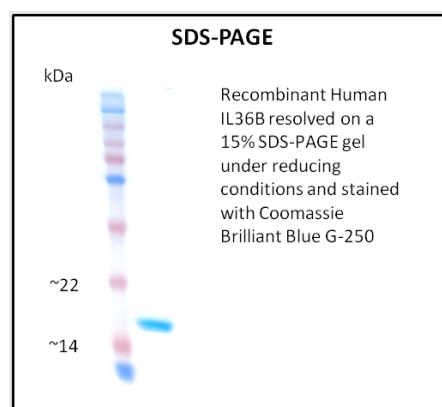
PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	Lyophilized from a 0.2 um filtered solution in PBS (with BSA as a carrier protein)
Sequence Length	164
Bioactivity	IL-36 beta can bind to human IL-1 Rrp2 Fc Chimera with a linear range of 0.15-5 ug/mL as determined by its binding ability in a functional ELISA
Endotoxin Level	<1.0 EU/ug of recombinant protein as determined by the LAL method
Reconstitution	Reconstitute in sterile PBS at 100ug/mL (containing at least 0.1% human or bovine serum albumin)
Preparation and Storage	The lyophilized protein is stable for at least one year from date of receipt at -70 degree C. Upon reconstitution, this cytokine can be stored in working aliquots at 2-8 degree C for one month, or at -20 degree C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for IL36B active protein

IL36B, also known as Interleukin 36 beta and IL1F8, is a cytokine belonging to the IL-1 family. It is actively secreted and is found to form a cytokine gene cluster on chromosome 2 with eight other IL1 cytokines. IL36B signals through the IL1Rrp2/IL-36R receptor on dendritic cells which then activates NFkB and MAPK signalling pathways to create a pro-inflammatory response. It stimulates the production of mature adipocytes, and IL6 and IL8 synovial fibroblasts. It also induces expression of some antimicrobial peptides and matrix metalloproteases. It is highly expressed in psoriatic plaques, as part of the IL36 signalling system is found in many epithelial barriers.

NCBI AND UNIPROT INFORMATION

NCBI GI #	20070252
NCBI GeneID	27177
NCBI Accession #	NP_055253.2
NCBI GenBank Nucleotide #	NP_055253.2
UniProt Accession #	Q9NZH7
Molecular Weight	17.5 kDa
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/e-coli-active-protein/il36b/214303>