

Interleukin-17E Recombinant Protein | IL 17E recombinant protein

Recombinant Human Interleukin-17E

CATALOG #
AAA38594

HOST
E Coli

PRODUCT SYNONYMS

Interleukin-17E; Recombinant Human Interleukin-17E; IL 17E Human; Interleukin-17E Human Recombinant; IL-25; IL-17E; IL17E; IL25; Interleukin-25; IL 17E recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	Lyophilized from a concentrated (1mg/ml) solution containing no additives. Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence	MYSHWPSCCP SKGQDTSEEL LRWSTVPVPP LEPARPNRHP ESCRASEDGP LNSRAISPWR YELDRDLNRL PQDLYHARCL CPHCVSLQTG SHMDPRGNSE LLYHNQTVFY RRPCHGEKGT HKGYCLERRL YRVSLACVCV RPRVMG
Sequence Length	177
Solubility	It is recommended to reconstitute the lyophilized Interleukin Human IL25 in sterile 10mM HCl not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Preparation and Storage	Lyophilized Interleukin Human IL17E although stable at room temperature for 3 weeks, should be stored desiccated below -18 degree C. Upon reconstitution Human IL-25 should be stored at 4 degree C between 2-7 days and for future use below -18 degree C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for IL 17E recombinant protein	Description: Interleukin-17E Human Recombinant produced in E Coli is a homodimeric, non-glycosylated polypeptide chain containing 146 amino acids and having a molecular mass of 33.7 kDa. The IL-25 Human is purified by proprietary chromatographic techniques. Introduction: IL-25 also called IL-17E cytokine has a sequence similarity with IL17. IL-17E induces NF-kappaB activation, and stimulates the production of IL-8. IL17E and IL17B are ligands for the cytokine receptor IL17BR. IL-25 is a proinflammatory cytokine favoring Th2-type immune response. The upregulation of costimulation-induced IL-17E receptors and release of cytokines and chemokines from IL-17E treated costimulated Th cells are differentially regulated by intracellular JNK, p38 MAPK and NF-kappaB activity. Blocking Interleukin-25 prevents airway hyperresponsiveness, a critical feature of clinical asthma. IL25 produced by innate effector eosinophils and basophils increase the allergic inflammation by enhancing the maintenance and functions of TSLP-DC activated adaptive Th2 memory cells. Over expression of IL-25 up-regulates gene expression of Th2 cytokines and induces growth retardation, jaundice, and multiorgan inflammation in a transgenic mouse model. IL-25 contributes to the induction and maintenance of eosinophilic inflammation by acting on lung fibroblasts which supports the fact that IL-17E is an important factor in asthma pathophysiology. IL-17E operates by amplifying TH2 cell-mediated allergic airway inflammation but doesn't induce allergic inflammation in vivo.
Product Categories/Family for IL 17E recombinant protein	Cytokines and Growth Factors; Cytokines; Interleukin

NCBI AND UNIPROT INFORMATION

NCBI GI #	12232485
NCBI GeneID	64806
NCBI Accession #	NP_073626.1
NCBI GenBank Nucleotide #	NM_022789.3
UniProt Accession #	Q9H293; Q2M3F0; Q8IZV3; Q8WXB0
Molecular Weight	18,523 Da
NCBI Official Full Name	interleukin-25 isoform 1
NCBI Official Synonym Full Names	interleukin 25
NCBI Official Symbol	IL25
NCBI Official Synonym Symbols	IL17E
NCBI Protein Information	interleukin-25; interleukin-17E
UniProt Protein Name	Interleukin-25
UniProt Gene Name	IL25
UniProt Synonym Gene Names	IL17E; IL-25; IL-17E
UniProt Entry Name	IL25_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/il25-recombinant-protein-e-coli/38594>