

IL-25/IL-17E Recombinant Protein | IL25 recombinant protein

Recombinant Human IL-25/IL-17E Protein

CATALOG # AAA283371	HOST HEK293 cells
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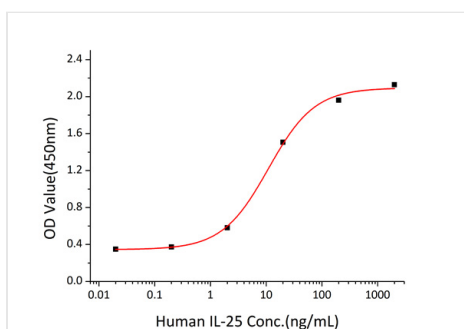
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

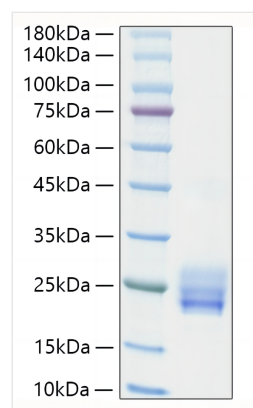
Host	HEK293 cells
Purity/Purification	>95% by SDS-PAGE.
Form/Format	Lyophilized from a 0.22 um filtered solution of PBS, pH7.4.
Sequence	YSHWPSCCPs KGQDTSEELL RWSTVPVPL EPARPNRHPE SCRASEDGPL NSRAISPWRY ELDRDLNRLP QDLYHARCLC PHCVSLQTGS HMDPRGNSEL LYHNQTVFYR RPCHGEKGTH KGYCLERRLY RVSLACVCVR PRVMG
Species	Human
Tag	N-6His
Endotoxin	<0.1EU/ug of the protein by LAL method.
Bio-Activity	Measured by its ability to induce CXCL1/GRO alpha secretion in HT-29 human colon adenocarcinoma cells. The ED ₅₀ for this effect is 5.46-21.84ng/mL, corresponding to a specific activity of 4.58×10 ⁴ ~1.83×10 ⁵ units/mg.
Preparation and Storage	Store at -20 degree C. Store the lyophilized protein at -20 degree C to -80 degree C up to 1 year from the date of receipt. 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



Application Data

Recombinant Human IL-25/IL-17E induce CXCL1/GRO alpha secretion in HT-29 human colon adenocarcinoma cells. The ED₅₀ for this effect is 5.46-21.84ng/mL, corresponding to a specific activity of 4.58×10⁴~1.83×10⁵ units/mg.



SDS-PAGE

Recombinant Human IL-25/IL-17E Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 20-30 kDa.

ADDITIONAL INFORMATION

Related Product Information for IL25 recombinant protein	Interleukin-25 (IL-25) is a cytokine that shares sequence similarity with interleukin 17. This cytokine can induce NF-kappaB activation, and stimulate the production of interleukin 8. Both this cytokine and interleukin 17B are ligands for the cytokine receptor IL17BR. IL-25 is a member of the IL-17 family of cytokines. However, unlike the other members of this family, IL-25 promotes T helper (Th) 2 responses. IL-25 also regulates the development of autoimmune inflammation mediated by IL-17-producing T cells. IL-25 and IL-17, being members of the same cytokine family, play opposing roles in the pathogenesis of organ-specific autoimmunity. IL-25 promotes cell expansion and Th2 cytokine production when Th2 central memory cells are stimulated with thymic stromal lymphopoietin (TSLP)-activated dendritic cells (DCs), homeostatic cytokines, or T cell receptor for antigen triggering. Elevated expression of IL-25 and IL-25R transcripts was observed in asthmatic lung tissues and atopic dermatitis skin lesions, linking their possible roles with exacerbated allergic disorders. A plausible explanation that IL-25 produced by innate effector eosinophils and basophils may augment the allergic inflammation by enhancing the maintenance and functions of adaptive Th2 memory cells had been provided.
Product Categories/Family for IL25 recombinant protein	Cytokines & Cytokine receptors; Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	27477081
NCBI GeneID	64806
NCBI Accession #	NP_758525.1
NCBI GenBank Nucleotide #	NM_172314.1
UniProt Accession #	Q9H293; Q2M3F0; Q8IZV3; Q8WXB0
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.

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Online datasheet: <https://stage.aaabiotech.com/il25-recombinant-protein-hek293-cells/283371>