

## IL-17E/IL-25 active protein

Recombinant human IL-17E/IL-25 protein

|                              |                       |                                 |
|------------------------------|-----------------------|---------------------------------|
| CATALOG #<br><b>AAA48395</b> | HOST<br><b>HEK293</b> | APPLICATIONS<br><b>SDS-Page</b> |
|------------------------------|-----------------------|---------------------------------|

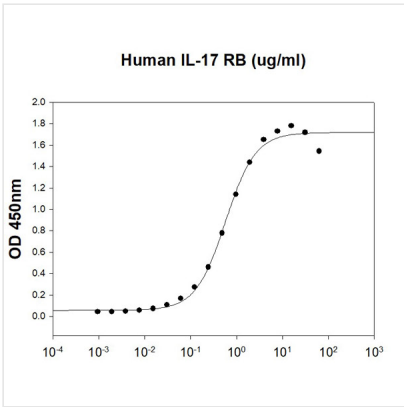
### PRODUCT SYNONYMS

IL-17E/IL-25; Recombinant human IL-17E/IL-25 protein; interleukin-25 isoform 1; interleukin 25; IL17E; IL-17E; IL25; IL-25; interleukin-17E; interleukin-25; IL-17E/IL-25 active protein

### PRODUCT SPECIFICATIONS

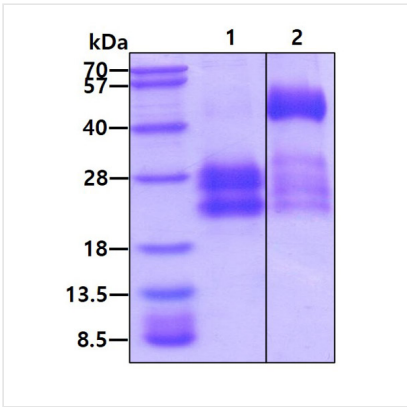
|                                                         |                                                                                                                                                                      |
|---------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                    | HEK293                                                                                                                                                               |
| Purity/Purification                                     | >95% by SDS-PAGE                                                                                                                                                     |
| Form/Format                                             | Liquid. In Phosphate-Buffered Saline (pH7.4) containing 20% glycerol                                                                                                 |
| Concentration                                           | 0.5mg/ml (determined by Absorbance at 280nm) (varies by lot)                                                                                                         |
| Sequence Positions                                      | 33-177aa                                                                                                                                                             |
| Sequence                                                | YSHWP SCCPSKGQDT SEELLRWSTV PVPPLPARP NRHPESCRAS EDGPLNSRAI SPWRYELDRD<br>LNRLPQDLYH ARCLCPHCVS LQTGSHMDPR GNSellyHNQ TVFYRRPCHG EKGTHKGYCL ERRLYRVSLA<br>CVCVRPRVMG |
| Applicable Applications for IL-17E/IL-25 active protein | Bioactivity, SDS-PAGE                                                                                                                                                |
| Endotoxin                                               | <1 EU per 1ug of protein (determined by LAL method)                                                                                                                  |
| Species                                                 | Human                                                                                                                                                                |
| Tag                                                     | His-Tag                                                                                                                                                              |
| Predicted N-term                                        | Asp                                                                                                                                                                  |
| Bioactivity                                             | Measured by its binding ability in a functional ELISA with Human IL-17 RB                                                                                            |
| Preparation and Storage                                 | Can be stored at +2C to +8 degree C for 1 week. For long term storage, aliquot and store at -20C to -80 degree C. Avoid repeated freezing and thawing cycles.        |

IMAGES



Bioactivity

Human IL-17E/IL-25 is coated at 2 ug/ml (100 ul/well) can bind Human IL-17 RB (CAT# ATGP4039) in a Functional ELISA assay.



SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stainLane 1 : reducing conditionLane 2 : non-reducing condition

ADDITIONAL INFORMATION

|                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for IL-17E/IL-25 active protein | IL-25, also known as IL-17E, belongs to the IL-17 cytokine family. It support the Th2 immune response, and has been shown to induce the production of IL-4, IL-5 and IL-13. This is in contrast to other IL-17 family members which promote Th1- and Th17-biased inflammation. Because IL-25 promotes the development of a Th2 immune response, it acts to protect against several bowel infections caused by helminths. It is also referred to as the regulator of IL-9 production. IL-25 has been shown to increase the production of IL-9 in Th9 cells. Another function of this protein is the activation of natural lymphoid cells. IL-25 and IL-33 are the most potent activators of ILC2. IL-25 has potent antitumor activity in vivo in several human cancers including melanoma, breast, lung, colon, and pancreatic cancers, suggesting the potential clinical use of IL-17E as an anticancer agent. Recombinant human IL-17E/IL-25, fused to His-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques. |
| Product Categories/Family for IL-17E/IL-25 active protein   | Immunology; Hormones & Cytokines; Proteins                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| References                                                  | Xinyang Song., et al, (2013) Cell Signal. 25:2335-2347. Rickel EA., et al, (2008) J Immunol. 181:4299-4310.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

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.

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Online datasheet: <https://stage.aaabiotech.com/hek293-active-protein/il-17e-il-25/48395>