

## Active Recombinant Human IL17F protein, His-tagged

**Cat. No.** IL17F-307H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human IL17F protein(Arg 31 - Gln 163 ), fused with His tag, was expressed in HEK293.                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ProteinLength</b>    | Arg 31 - Gln 163                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Form</b>             | Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.                                                                                                                                                                                                                                                                                                                                              |
| <b>Bio-activity</b>     | Immobilized Human IL-17F (H161R), His Tag at 10 µg/mL (100 µL/well) can bind Biotinylated Human IL-17 RA, Fc,Avitag with a linear range of 0.02-0.313 µg/mL.Immobilized Human IL-17F (H161R), His Tag at 10 µg/mL (100 µL/well) can bind Human IL-17 RA, Fc Tag with a linear range of 0.078-1.25 µg/mL.Immobilized Human IL-17F (H161R), His Tag at 2 µg/mL (100 µL/well) can bind Recombinant Human IL-17RC Isoform 1 Fc Chimera with a linear range of 0.2-16 ng/mL. |
| <b>Molecular Mass</b>   | This protein carries a polyhistidine tag at the N-terminus.The protein has a calculated MW of 16.8 kDa. The protein migrates as 23 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.                                                                                                                                                                                                                                                                    |
| <b>Endotoxin</b>        | Less than 1.0 EU per µg by the LAL method.                                                                                                                                                                                                                                                                                                                                                                                                                              |

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|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | >95% as determined by SDS-PAGE.                                                                                                                                                                                                                                                     |
| <b>Storage</b>        | For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution. |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.                                                                                                       |

## GENE INFORMATION

|                        |                                                                                                                                        |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | IL17F interleukin 17F [ Homo sapiens ]                                                                                                 |
| <b>Official Symbol</b> | IL17F                                                                                                                                  |
| <b>Synonyms</b>        | IL17F; interleukin 17F; interleukin-17F; IL 17F; ML 1; ML1; IL-24; cytokine ML-1; mutant IL-17F; interleukin-24; ML-1; CANDF6; IL-17F; |
| <b>Gene ID</b>         | 112744                                                                                                                                 |
| <b>mRNA Refseq</b>     | NM_052872                                                                                                                              |
| <b>Protein Refseq</b>  | NP_443104                                                                                                                              |
| <b>MIM</b>             | 606496                                                                                                                                 |
| <b>UniProt ID</b>      | Q96PD4                                                                                                                                 |

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