

# Active Recombinant Human IL33 protein, His-Avi-tagged, Biotinylated

**Cat. No.** IL33-0290H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                          |
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| <b>Product Overview</b> | Biotinylated Recombinant Human IL33 protein(His109-Thr270), fused with His and Avi tag, was expressed in HEK293.                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                    |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                   |
| <b>ProteinLength</b>    | 109-270 a.a.                                                                                                                                                                                                                             |
| <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-1RL1, Fc Tag at 5 µg/mL (100 µL/well) can bind Biotinylated Human IL-33, His,Avitag with a linear range of 0.1-2 ng/mL.                                                                                             |
| <b>Molecular Mass</b>   | This protein carries a polyhistidine tag at the N-terminus, followed by an Avi tag (Avitag).The protein has a calculated MW of 21.9 kDa. The protein migrates as 28-33 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation. |
| <b>Proteinlength</b>    | His109-Thr270                                                                                                                                                                                                                            |
| <b>Endotoxin</b>        | Less than 1.0 EU per µg by the LAL method.                                                                                                                                                                                               |
| <b>Purity</b>           | >90% as determined by SDS-PAGE.>90% as determined by SEC-MALS.                                                                                                                                                                           |

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|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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.                                                                                                                                                                                                                       |
| <b>Conjugation</b>      | Biotin                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Gene Name</b>        | IL33 interleukin 33 [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                                                |
| <b>Official Symbol</b>  | IL33                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Synonyms</b>         | IL33; interleukin 33; C9orf26, chromosome 9 open reading frame 26 (NF HEV); interleukin-33; DKFZp586H0523; DVS27; DVS27 related protein; IL1F11; interleukin 1 family; member 11; NF HEV; nuclear factor for high endothelial venules; IL-33; IL-1F11; DVS27-related protein; interleukin-1 family member 11; nuclear factor from high endothelial venules; NF-HEV; NFEHEV; C9orf26; RP11-575C20.2; |
| <b>Gene ID</b>          | 90865                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>mRNA Refseq</b>      | NM_001199640                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Protein Refseq</b>   | NP_001186569                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>MIM</b>              | 608678                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>UniProt ID</b>       | O95760                                                                                                                                                                                                                                                                                                                                                                                              |

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