

# Active Recombinant Human IL15RA protein, Fc-Avi-tagged, Biotinylated

**Cat. No.** IL15RA-0269H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Biotinylated Recombinant Human IL15RA protein(Ile31-Thr205), fused with Fc and Avi tag, was expressed in HEK293.                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | 31-205 a.a.                                                                                                                                                                                                                                                                                               |
| <b>Form</b>             | Lyophilized from 0.22 µm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.                                                                                                                                               |
| <b>Bio-activity</b>     | Immobilized Human IL-15, premium grade at 2 µg/mL (100 µL/well) can bind Biotinylated Human IL-15 R alpha, Fc,Avitag with a linear range of 2-39 ng/mL.Immobilized Mouse IL-15, Fc Tag at 2 µg/mL (100 µL/well) can bind Biotinylated Human IL-15 R alpha, Fc,Avitag with a linear range of 10-156 ng/mL. |
| <b>Molecular Mass</b>   | This protein carries a human IgG1 Fc tag at the C-terminus, followed by an Avi tag (Avitag).The protein has a calculated MW of 46.6 kDa. The protein migrates as 60-75 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.                                                                  |
| <b>Proteinlength</b>    | Ile31-Thr205                                                                                                                                                                                                                                                                                              |
| <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.>90% as determined by SEC-MALS.                                                                                                                                                                                                                     |
| <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                                                                                                                                                                                                                                                                             |

## GENE INFORMATION

|                        |                                                                                                           |
|------------------------|-----------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | IL15RA interleukin 15 receptor, alpha [ Homo sapiens ]                                                    |
| <b>Official Symbol</b> | IL15RA                                                                                                    |
| <b>Synonyms</b>        | IL15RA; interleukin 15 receptor, alpha; interleukin-15 receptor subunit alpha; CD215; IL 15RA; MGC104179; |
| <b>Gene ID</b>         | 3601                                                                                                      |
| <b>mRNA Refseq</b>     | NM_001243539                                                                                              |
| <b>Protein Refseq</b>  | NP_001230468                                                                                              |
| <b>MIM</b>             | 601070                                                                                                    |
| <b>UniProt ID</b>      | Q13261                                                                                                    |

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