

Recombinant Human IL-15RA&IL-15 Protein

Catalog No.: RP02654

Sequence Information

Species **Gene ID**
Human 3601&3600

Swiss Prot **Tags**
Q13261-1(IL-15RA)&P40933-1 (IL-15) C-His

Synonyms

IL-15 R alpha; CD215; IL15RA; IL-15RA; IL-15R-alpha1; Interleukin-15; IL-15; IL15

Product Information

Source **Purification**
HEK293 cells ≥ 95 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by HPLC.

Calculated MW **Observed MW**
23.8 kDa 26-28, 30-32 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

Interleukin-15 receptor alpha (IL-15R alpha) is a high affinity IL-15 binding protein that is crucial for mediating IL-15 functions such as memory CD8 T cell proliferation and NK, NK/T cell, and intestinal intraepithelial lymphocyte development.

Basic Information

Description

Recombinant Human IL-15RA&IL-15 Protein is expressed from Expi293 with His tag at the C-terminal.; It contains Ile31-Ser108(IL-15RA)&Asn49-Ser162 (IL-15).

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

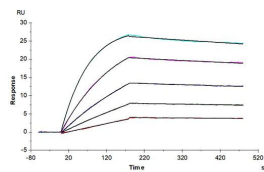
Contact

☎ | 400-999-6126

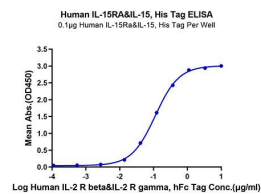
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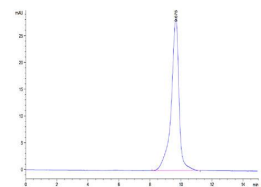
Validation Data



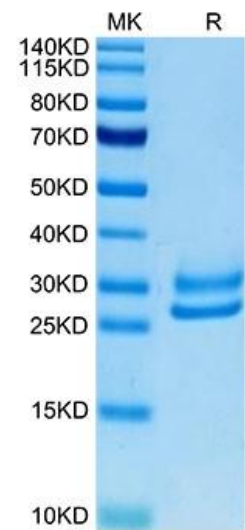
Human IL-2 R beta&IL-2 R gamma, hFc Tag captured on CM5 Chip via Protein A can bind Human IL-15Ra&IL-15, His Tag with an affinity constant of 0.084 nM as determined in SPR assay (Biacore T200).



Immobilized Human IL-15Ra&IL-15, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Human IL-2 R beta&IL-2 R gamma, hFc Tag with the EC₅₀ of 0.11µg/ml determined by ELISA.



The purity of Human IL-15Ra&IL-15 is greater than 95% as determined by SEC-HPLC.



Recombinant Human IL-15Ra&IL-15 Protein was determined by Tris-Bis PAGE under reducing conditions.