

Human IL-20 R alpha Protein, Fc Tag (MALS & SPR verified)

Catalog # ILA-H525d



Synonyms

Interleukin-20 receptor subunit alpha, IL-20 receptor subunit alpha, IL-20R-alpha, IL-20RA, Cytokine receptor class-II member 8, Cytokine receptor family 2 member 8, CRF2-8, IL-20R1, ZcytoR7

Source

Human IL-20 R alpha, Fc Tag (ILA-H525d) is expressed from human 293 cells (HEK293). It contains AA Val 30 - Lys 250 (Accession # [Q9UHF4-1](#)).

Predicted N-terminus: Val 30

Molecular Characterization

IL-20RA(Val 30 - Lys 250) Q9UHF4-1	Fc(Pro 100 - Lys 330) P01857
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This protein carries a human IgG1 Fc tag at the C-terminus.

The protein has a calculated MW of 51.7 kDa. The protein migrates as 65-70 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method / rFC method.

Purity

>95% as determined by SDS-PAGE.

>95% as determined by SEC-MALS.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Shipping and Storage

This product is shipped at ambient temperature.

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

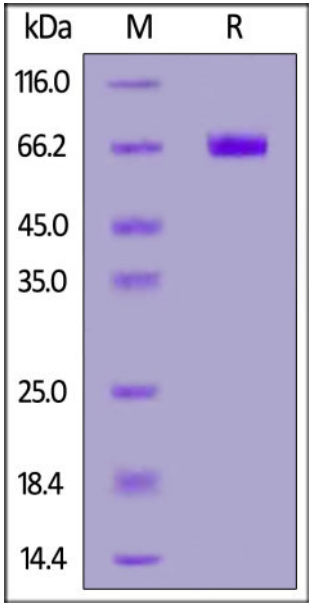
This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

ACRO Quality Management System

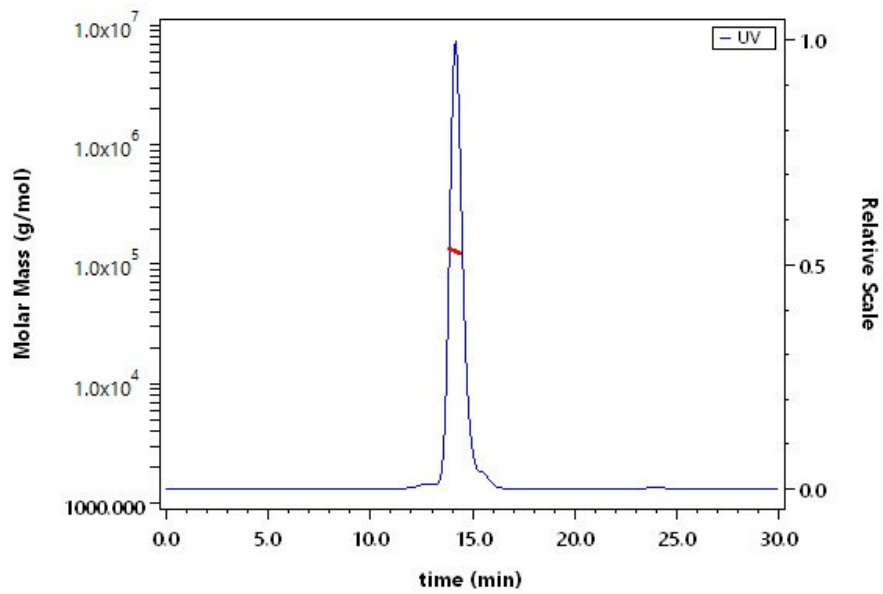
- [QMS\(ISO, GMP\)](#).
- [Quality Advantages](#)
- [Quality Control Process](#)

SDS-PAGE



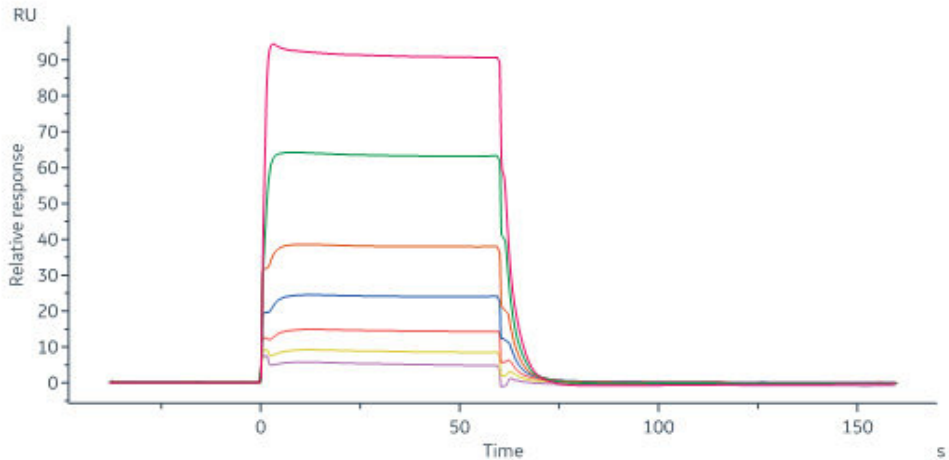
Human IL-20 R alpha, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

SEC-MALS



The purity of Human IL-20 R alpha, Fc Tag (Cat. No. ILA-H525d) is more than 95% and the molecular weight of this protein is around 114-140 kDa verified by SEC-MALS.

Bioactivity-SPR



Human IL-20, His Tag (Cat. No. IL0-H5243) immobilized on CM5 Chip can bind Human IL-20 R alpha, Fc Tag (Cat. No. ILA-H525d) with an affinity constant of 4.42 μ M as determined in a SPR assay (Biacore 8K) (QC tested).

Background

The IL-20 receptor alpha subunit forms a functional heterodimer with the IL-20 beta subunit, and transduces ligand-binding at least in part through STAT3 activation. The IL20RA/IL20RB dimer is a receptor for IL19, IL20 and IL24. The IL20RA/IL10RB dimer is a receptor for IL26.



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