

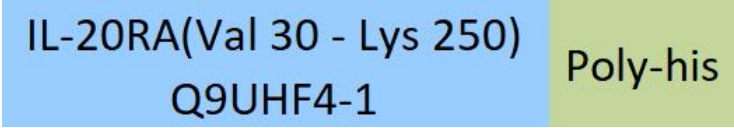
Synonym

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 Protein, His Tag(ILA-H52H3) is expressed from human 293 cells (HEK293). It contains AA Val 30 - Lys 250 (Accession # [Q9UHF4-1](#)). Predicted N-terminus: Val 30

Molecular Characterization



This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 27.1 kDa. The protein migrates as 35-45 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

>90% as determined by SDS-PAGE.

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.

Storage

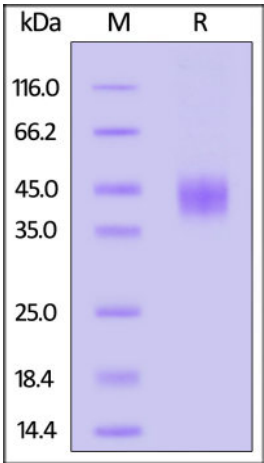
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

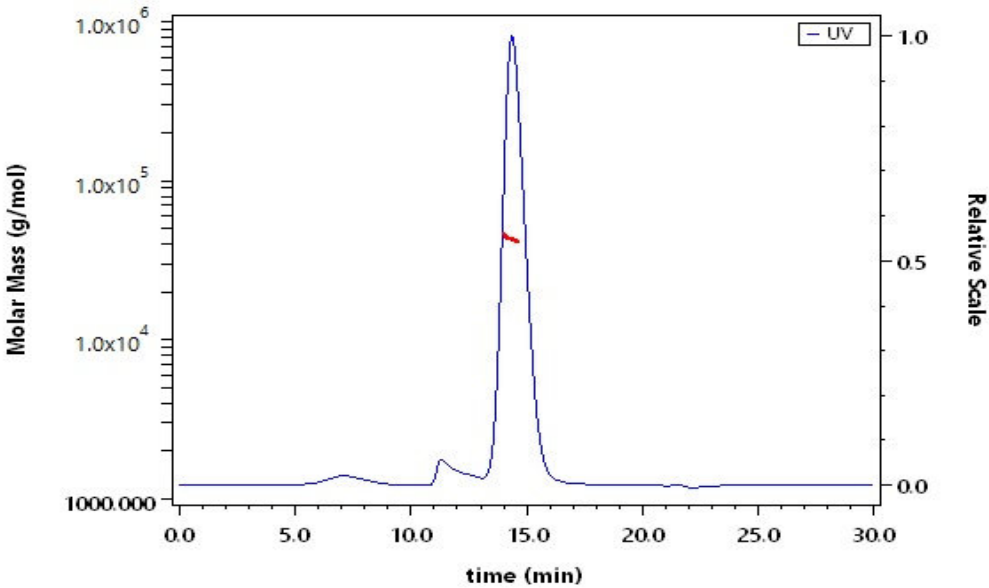
- 20°C to -70°C for 12 months in lyophilized state;
- 70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Human IL-20 R alpha Protein, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%.

SEC-MALS

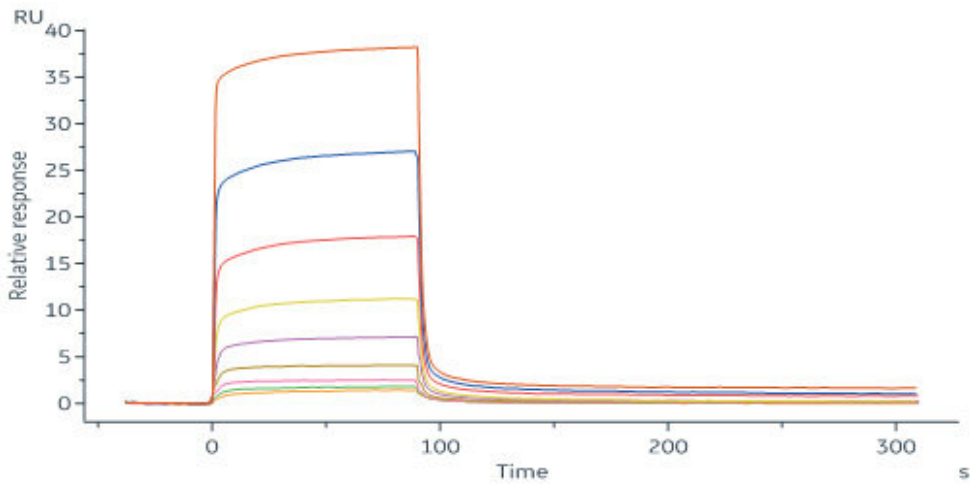


The purity of Human IL-20 R alpha Protein, His Tag (Cat. No. ILA-H52H3) is more than 85% and the molecular weight of this protein is around 35-50 kDa verified by SEC-MALS.

[Report](#)

Bioactivity-SPR





Human IL-20, His Tag (Cat. No. IL0-H5243) immobilized on CM5 Chip can bind Human IL-20 R alpha Protein, His Tag (Cat. No. ILA-H52H3) with an affinity constant of 3.31 μ M as determined in a SPR assay (Biacore 8K) (QC tested).

Background

IL-20 R alpha (Interleukin-20 receptor subunit alpha) forms a functional heterodimer with the IL-20 beta subunit, and transduces ligand-binding at least in part through STAT3 activation. The IL-20 subfamily of cytokines and receptors are members of the larger IL-10 family, which are grouped together based on their utilization of common receptor subunits, similarities in their target-cell profiles, and biological functions. This subfamily consists of the cytokines, IL-19, IL-20, IL-22, IL-24, and IL-26, as well as the receptors, IL-20RA, IL-20RB, IL-10RB, and IL-22RA1.

