

Recombinant Human IL-31RA Protein

Catalog No.: RP02671

Sequence Information

Species **Gene ID**
Human 133396

Swiss Prot **Tags**
Q8NI17-1 C-His

Synonyms

IL-31RA; IL-31R-alpha; Gp130-like receptor; CRL3; GPL; ZcytoR17; GLM-R; CRL3Glmr; GLM-RMGC125346; PRO21384

Product Information

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

Calculated MW Observed MW

58.2 kDa 80-110 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-31 receptor A (IL-31RA) is a newly identified type I cytokine receptor, that is related to gp130, the common receptor of the interleukin (IL) -6 family cytokines. IL-31RA forms a functional receptor complex for IL-31 together with the beta subunit of oncostatin M receptor (OSMRbeta). OSMRbeta is expressed in a subset of small-sized nociceptive neurons of adult dorsal root ganglia (DRGs). IL-31 and OSM may thus have redundant functions in the development of OSMRbeta-expressing neurons.

Basic Information

Description

Recombinant Human IL-31RA Protein is expressed from Expi293 with His tag at the C-terminal.; It contains Ala20-Glu519.

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.

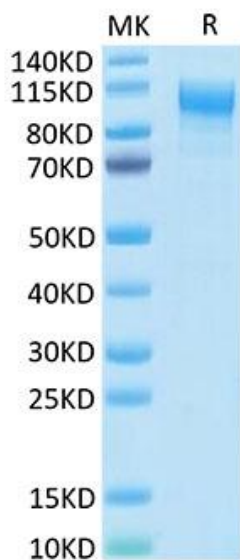
Contact

☎ | 400-999-6126

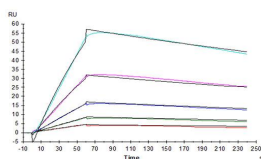
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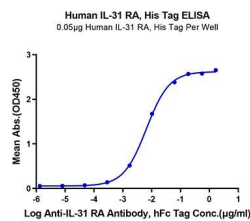
Validation Data



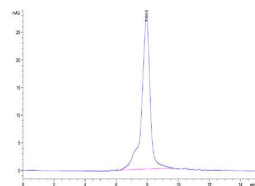
Recombinant Human IL-31RA Protein was determined by Tris-Bis PAGE under reducing conditions.



Human IL-31, His Tag immobilized on CM5 Chip can bind Human IL-31 RA, His Tag with an affinity constant of 82.4nM as determined in a SPR assay (Biacore T200).



Immobilized Human IL-31 RA, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-IL-31 RA Antibody, hFc Tag with the EC₅₀ of 6.5ng/ml determined by ELISA.



The purity of Human IL-31 RA is greater than 95% as determined by SEC-HPLC.