

RP02671

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Recombinant Human IL-31RA Protein

Catalog No.: RP02671

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	133396	Q8NI17-1

Tags

C-His

Synonyms

IL-31RA; IL-31R-alpha; Gp130-like receptor; CRL3; GPL; ZcytoR17; GLM-R; CRL3GLmr; GLM-RMGC125346; PRO21384

Product Information

Source

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.

Purification

≥ 95 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by HPLC.

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.

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.

Bio-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.

Operational Notes

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

Storage

Store at -20°C. Avoid repeated freeze/thaw cycles.

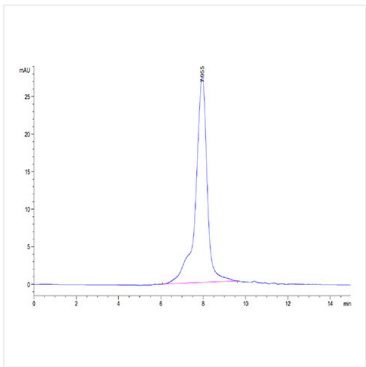
Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

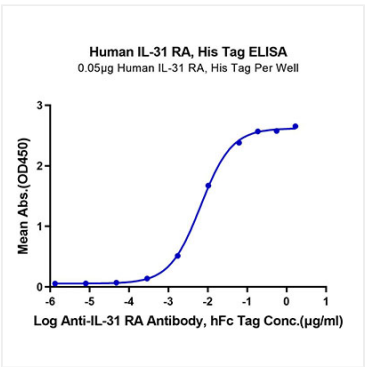


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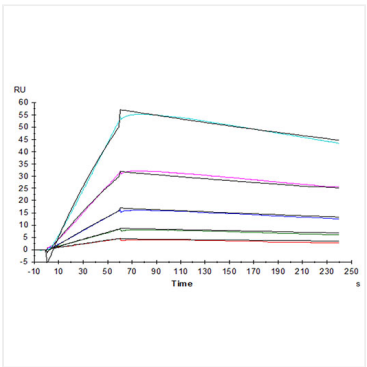
Validation Data



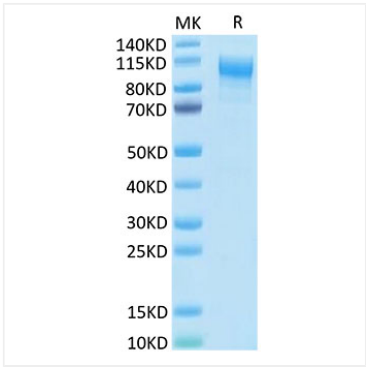
The purity of Human IL-31 RA is greater than 95% as determined by SEC-HPLC.



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.



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).



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