Recombinant Human IL-31RA Protein

ABclonal www.abclonal.com

Catalog No.: RP02671 Recombinant

Sequence Information

Species Gene ID Swiss Prot Human 133396 08NI17-1

Tags

C-His

Synonyms

IL-31RA; IL-31R-alpha; Gp130-like receptor; CRL3; GPL; ZcytoR17; GLM-R; CRL3GImr; 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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

a	400-999-6126
×	cn.market@abclonal.com.cn
	www.abclonal.com.cn

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 Cterminal. It contains Ala20-Glu519.

Bio-Activity

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

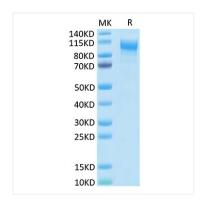
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

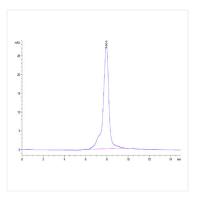
Operational Notes

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

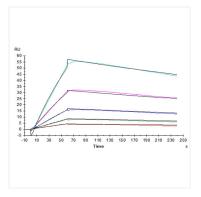
Validation Data



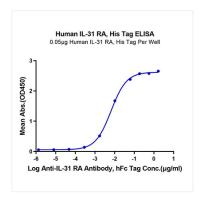
Recombinant Human IL-31RA Protein was determined by Tris-Bis PAGE under reducing conditions.



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



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 0.5 μ g/ml (100 μ l/well) on the plate. Dose response curve for Anti-IL-31 RA Antibody, hFc Tag with the EC $_{50}$ of 6.5 μ g/ml determined by ELISA.