Biotinylated Recombinant Human IL-2RG/CD132 Protein

Catalog No.: RP02580B

Sequence Information

Species
Human

Gene ID
3561

Swiss Prot
P31785-1

Tags
C-His&Avi

Synonyms
CD132; CIDX; IL-2 R gamma; IL2RG; IMD4; P64; SCIDX; SCIDX1; gammaC

Product Information

Source
HEK293 cells

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

Calculated MW
39.9 kDa

Observed MW
58-70 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

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.

Background

The gamma chain of the high affinity functional human IL-2 receptor complex belongs to the hematopoietin receptor family. IL-2 R gamma is a 369 amino acid residue protein consisting of a 22 residue signal sequence, a 232 residue extracellular domain, a 29 residue transmembrane domain and an 86 residue cytoplasmic domain. Although IL-2 R gamma by itself does not bind IL-2 with any appreciable affinity, it is required for IL-2 receptor signaling.

Basic Information

Description
Biotinylated Recombinant Human IL-2RG/CD132 Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Leu23-Asn254) of Human IL-2RG/CD132 fused with a His and Avi tag at the C-terminal.

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℃

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

Contact

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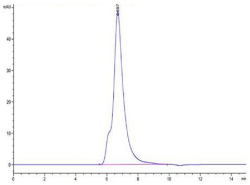
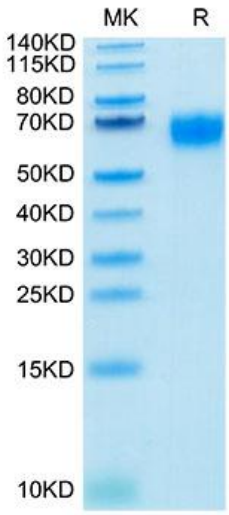
For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



The purity of Biotinylated Human IL-2 R gamma is greater than 95% as determined by SEC-HPLC.



Biotinylated Recombinant Human IL-2RG/CD132 Protein was determined by Tris-Bis PAGE under reducing conditions.