

Recombinant Mouse IL-13RA1/CD213a1 Protein

Catalog No.: RP02180 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	16164	O09030

Tags

C-Fc

Synonyms

AI882074; CD213a1; IL-13R-alpha-1;
IL-13r[a]; IL13ra; NR4; IL13ra1

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Calculated MW	Observed MW
63 kDa	80-120 kDa

Endotoxin

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

Formulation

Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or 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.

Contact

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Background

Interleukin-13 receptor subunit alpha-1 (IL-13RA1), also known as NR4, belongs to the hemopoietin receptor family. Interleukin-13 receptor is a complex of IL4R, IL13RA1, and possibly other components. It interacts with TRAF3IP1 and binds with low affinity to interleukin-13 (IL3). IL-13RA1, together with IL4RA, can form a functional receptor for IL13. It also serves as an alternate accessory protein to the common cytokine receptor gamma chain for interleukin-4 (IL4) signaling, but cannot replace the function of IL2RG in allowing enhanced interleukin-2 (IL2) binding activity. The WSXWS motif in domains appears to be necessary for proper protein folding and thereby efficient intracellular transport and cell-surface receptor binding.

Basic Information

Description

Recombinant Mouse IL-13RA1/CD213a1 Protein is produced by Mammalian expression system. The target protein is expressed with sequence (Ala25-Thr340) of mouse IL-13RA1 (Accession #O09030) fused with an Fc tag at the C-terminus.

Bio-Activity

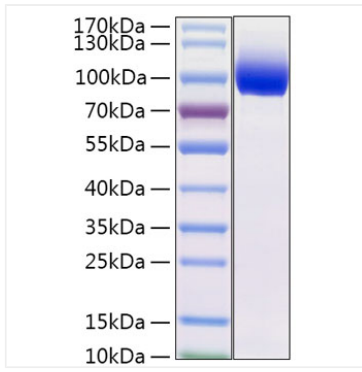
Storage

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.

Validation Data



Recombinant Mouse IL-13RA1/CD213a1 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 80-120kDa.