

Recombinant Rat IL-4RA/CD124 Protein

Catalog No.: RP01567 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Rat	25084	Q63257

Tags

C-His

Synonyms

CD124;IL-4RA;IL4RA;IL4R

Product Information

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

Endotoxin

<1EU/μg

Formulation

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

Reconstitution

Centrifuge the vial 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 freeze-thaw cycles.

Contact

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Background

This protein is alpha chain of the interleukin-4 receptor, a type I transmembrane protein that can bind interleukin 4 and interleukin 13 to regulate IgE production. The encoded protein also can bind interleukin 4 to promote differentiation of Th2 cells. A soluble form of the encoded protein can be produced by proteolysis of the membrane-bound protein, and this soluble form can inhibit IL4-mediated cell proliferation and IL5 upregulation by T-cells.

Basic Information

Description

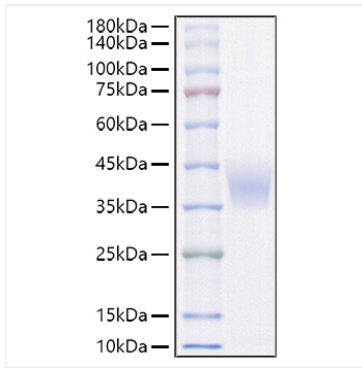
Recombinant Rat IL-4RA/CD124 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ile26-Arg232) of rat IL-4RA/CD124 (Accession #NP_596871.2) fused with a 6xHis tag at the C-terminus.

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 Rat IL-4RA/CD124 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 35-40 kDa.