Recombinant Rat IL-4R alpha/CD124 Protein

Catalog No.: RP01567

Sequence Information

Species
Rat

Gene ID
25084

Swiss Prot
Q63257

Tags
C-His

Synonyms
CD124,IL-4RA,IL4RA,IL4R

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
24.68 kDa

Observed MW
35-40 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 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 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

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-4R alpha/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 6×His tag at the C-terminus.

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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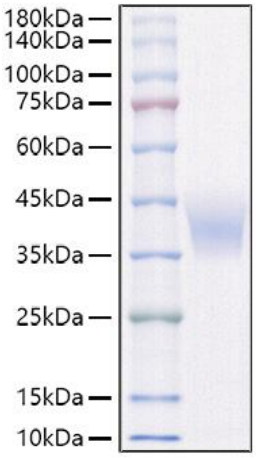
Validation Data



Recombinant Rat IL-4R alpha/CD124 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.

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