

Recombinant Mouse IL-11R alpha Protein

Catalog No.: RP03585 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	16157	Q64385

Tags

C-His

Synonyms

IL11ra1; EtI2; IL11ra[Interleukin-11 receptor subunit alpha-1] NR-1; NR1; sIL-11R; sIL-11RA; sIL11RA[IL-11R alpha

Product Information

Source	Purification
HEK293 cells	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Calculated MW	Observed MW
39.19 kDa	45-55 kDa

Endotoxin

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

Formulation

Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

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 free-thaw cycles.

Contact

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Background

Abstract Interleukin-11 (IL-11) is a pleiotropic cytokine that belongs to gp130 family. IL-11 and its receptor, IL-11Ra, are expressed in human cancers, human cancer cells expressed a functional IL-11Ra subunit, which triggered signal transduction either by exogenous recombinant human IL-11 or by autocrine production of IL-11 in cells cultured under hypoxic conditions.

Basic Information

Description

Recombinant Mouse IL-11R alpha Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ser24-Ala372) of Mouse IL-11R alpha (Accession # Q64385) fused with His tag at the C-Terminus.

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.

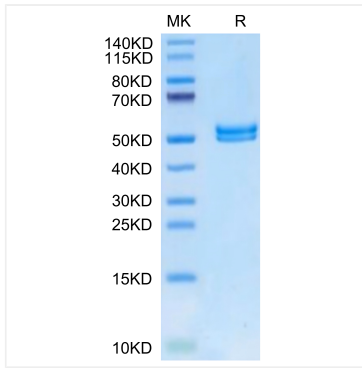
Operational Notes

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

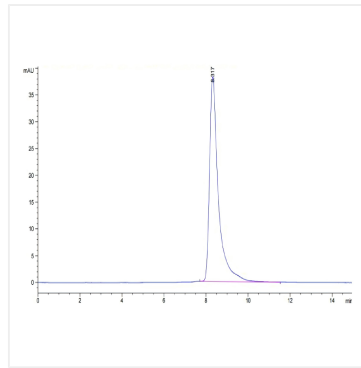


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Validation Data



Recombinant Mouse IL-11R alpha Protein was determined by Bis-Tris PAGE under reducing conditions with Coomassie Blue.



The purity of Mouse IL-11R alpha is greater than 95% as determined by SEC-HPLC.