

Recombinant Mouse IL-23R Protein

Catalog No.: RP00689 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	209590	Q8K4B4

Tags

C-Fc

Synonyms

Interleukin-23 receptor; IL23r; IL-23 receptor; IL-23R; interleukin 23 receptor

Product Information

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

Calculated MW	Observed MW
67.4 kDa	90-110 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 freeze-thaw cycles.

Contact

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Background

Interleukin 23 receptor (IL23R), a heterodimer of the IL12 receptor β 1 (IL12R β 1) and IL12R β 2, is a type I cytokine receptor for IL23. IL23R is comprised of two subunits, the IL12R β 1 subunit, which is shared with several cytokines, and a subunit that is unique to IL-23. IL23, after binding to IL23R, activates memory T cells and mediates pro-inflammatory activities in part by the production of IL17 through activation of TH17 lymphocytes. IL23R is expressed on T cells, NK cells, dendritic cells, and macrophages. In fact, polymorphisms of the IL23R gene were reported to be associated with susceptibility to inflammatory diseases and autoimmune diseases such as psoriasis, multiple sclerosis, Graves's ophthalmopathy and inflammatory bowel diseases. The IL23R is known to be critically involved in the carcinogenesis of different malignant tumor.

Basic Information

Description

Recombinant Mouse IL-23R/IL-23 Receptor Protein is produced by Human Cells expression system. The target protein is expressed with sequence (Gly24-Asp372) of mouse IL-23R/IL-23 Receptor (Accession #Q8K4B4) fused with an Fc tag at the C-terminus.

Bio-Activity

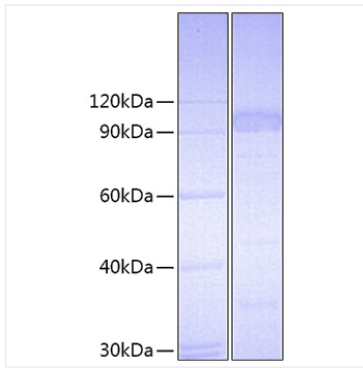
Storage

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-23R Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.