

Recombinant Mouse IL-21 Protein

Catalog No.: RP02775LQ **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	60505	Q9ES17

Tags

No tag

Synonyms

CVID11; IL21; IL-21;
IL-21Za11interleukin-21; interleukin 21;
interleukin-21 isoform; Za11

Product Information

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

Endotoxin

<0.01EU/μg

Formulation

Supplied as a 0.22 μm filtered solution in PBS, pH 7.4.

Reconstitution

Background

IL21 belongs to the IL-15/IL-21 family. It is a cytokine with immunoregulatory activity. Cytokines are proteinaceous signaling compounds that are major mediators of the immune response. They control many different cellular functions including proliferation, differentiation, and cell survival/apoptosis but are also involved in several pathophysiological processes including viral infections and autoimmune diseases. Cytokines are synthesized under various stimuli by a variety of cells of both the innate (monocytes, macrophages, dendritic cells) and adaptive (T- and B-cells) immune systems. IL21 is expressed in activated CD4-positive T-cells but not in CD8-positive T-cells, B-cells, or monocytes. It may promote the transition between innate and adaptive immunity. IL-21 has been tried as a therapy for alleviating allergic responses. It can significantly decrease pro-inflammatory cytokines produced by T cells in addition to decreasing IgE levels in a mouse model for rhinitis (nasal passage inflammation).

Basic Information

Description

Recombinant Mouse IL-21 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Pro25-Ser146) of mouse IL-21 (Accession #NP_068554.1) fused with no additional amino acid.

Bio-Activity

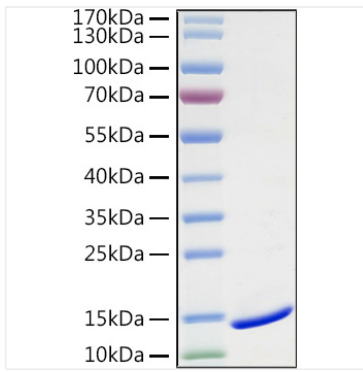
Storage

This product is stable at ≤ -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze/thaw cycles.

Contact

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Validation Data



Recombinant Mouse IL-21 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 15kDa.