

RP00490

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Recombinant Mouse IL-22 Protein

Catalog No.: RP00490

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	50929	Q9JJY9

Tags

No tag

Synonyms

Interleukin-22; IL-22; IL-10-Related T-Cell-Derived-Inducible Factor; IL-TIF; IL-TIF Alpha; Interleukin-22a; IL-22a; IL22; IL22a; Il2if; Il2ifa

Product Information

Source	Purification
<I>E. coli</I>	> 95% by SDS-PAGE.

Endotoxin

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

Formulation

Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.0. Contact us for customized product form or formulation.

Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Background

Interleukin-22 (IL-22) was initially identified as a gene induced by IL-9 in mouse T cells and mast cells. Mouse IL-22 cDNA encodes a 179 amino acid residue protein with a putative 33 amino acid signal peptide that is cleaved to generate a 147 amino acid mature protein that shares approximately 79% and 22% sequence identity with human IL22 and IL10, respectively. IL22 has been shown to activate STAT-1 and STAT-3 in several hepatoma cell lines and up-regulate the production of acute phase proteins. IL-22 is produced by normal mouse T cells upon Con A activation. Mouse IL-22 expression is also induced in various organs upon lipopolysaccharide injection, suggesting that IL-22 may be involved in inflammatory responses. The functional IL-22 receptor complex consists of two receptor subunits, IL-22R (previously an orphan receptor named CRF2-9) and IL-10Rβ (previously known as CRF2-4), belonging to the class II cytokine receptor family.

Basic Information

Description

Recombinant Mouse IL-22 Protein is produced by <I>E. coli</I> expression system. The target protein is expressed with sequence (Leu34-Val179) of mouse IL-22 (Accession #Q9JJY9) fused with an initial Met at the N-terminus.

Bio-Activity

Storage

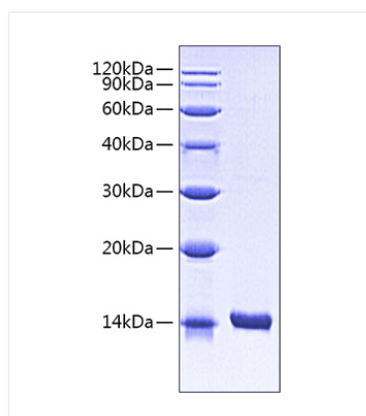
Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact



www.abclonal.com

Validation Data



Recombinant Mouse IL-22 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.