Datasheet for ABIN7320587

IL-22 Protein (mFc Tag)

1 Image

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Overview

Quantity:	50 µg
Target:	IL-22 (IL22)
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL-22 protein is labelled with mFc Tag.

Product Details

Purpose:	Recombinant Mouse Interleukin-22/IL-22 Protein (mFc Tag)
Sequence:	Leu34-Val179
Characteristics:	Recombinant Mouse Interleukin-22 is produced by our Mammalian expression system and the target gene encoding Leu34-Val179 is expressed with a mFc tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	IL-22 (IL22)
Alternative Name:	Interleukin-22/IL-22 (IL22 Products)
Background:	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

Target Details

	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. Synonym: Interleukin-22, IL-22, IL-TIF alpha, IL-10-related T-cell-derived-inducible factor, IL-TIF, IL22, Interleukin-22a, IL-22a
Molecular Weight:	43.8 kDa
UniProt:	Q9JJY9

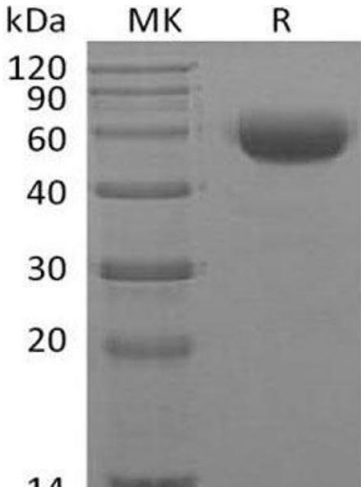
Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Images



Western Blotting

Image 1.