

Datasheet for ABIN7092720
IL-21 Protein (AA 30-162) (mFc Tag)



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1 Image

Overview

Quantity:	100 µg
Target:	IL-21 (IL21)
Protein Characteristics:	AA 30-162
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL-21 protein is labelled with mFc Tag.

Product Details

Purpose:	Recombinant Human IL21 with C-terminal mouse Fc tag
Specificity:	IL21 (Gln30-Ser162) mFc (Pro99-Lys330)
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	IL-21 (IL21)
Alternative Name:	IL21 (IL21 Products)
Background:	This gene encodes a member of the common-gamma chain family of cytokines with

Target Details

immunoregulatory activity. The encoded protein plays a role in both the innate and adaptive immune responses by inducing the differentiation, proliferation and activity of multiple target cells including macrophages, natural killer cells, B cells and cytotoxic T cells. Dysregulation of this gene plays a role in multiple immune-mediated diseases including lupus, psoriasis and chronic inflammatory diseases. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2011]

Molecular Weight: predicted molecular mass of 41.6 kDa after removal of the signal peptide. The apparent molecular mass of IL21-mFc is 35-55 kDa due to glycosylation.

UniProt: [Q9HBE4](#)

Pathways: [JAK-STAT Signaling](#), [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Production of Molecular Mediator of Immune Response](#)

Application Details

Restrictions: For Research Use only

Handling

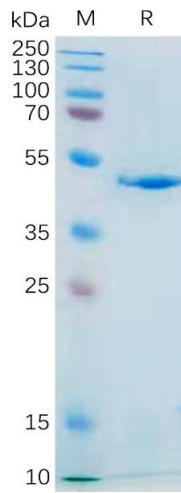
Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Storage: -20 °C, -80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months



SDS-PAGE

Image 1. Human IL21 Protein, mFc Tag on SDS-PAGE under reducing condition.