

Datasheet for ABIN7505764  
**IL-21 Protein (AA 1-154) (His tag)**



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## Overview

Quantity:	100 µg
Target:	IL-21 (IL21)
Protein Characteristics:	AA 1-154
Origin:	Rabbit
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL-21 protein is labelled with His tag.

## Product Details

Sequence:	Met1-Leu154
Characteristics:	A DNA sequence encoding the Rabbit IL21 protein (G1T948) (Met1-Leu154) was expressed with a C-His.
Purity:	> 95 % as determined by reducing SDS-PAGE.

## Target Details

Target:	IL-21 (IL21)
Alternative Name:	IL21 ( <a href="#">IL21 Products</a> )
Background:	<p>Abbreviation: IL-21</p> <p>Target Synonym: Interleukin-21, IL 21, IL-21</p> <p>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</p>

## Target Details

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).

Molecular Weight: Calculated MW: 14.3 kDa  
Observed MW: 40-45 kDa

UniProt: [G1T948](#)

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, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.

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.

Expiry Date: 12 months