

## Active Recombinant Mouse IL21 Protein, His-Tagged

Cat. No. IL21-01M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant mouse IL21 Protein, His-tagged was expressed in E. coli cell
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>Description</b>	Interleukin-21 (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. Interleukin-21 is a cytokine that has potent regulatory effects on cells of the immune system, including natural killer (NK) cells and cytotoxic T cells that can destroy virally infected or cancerous cells. This cytokine induces cell division/proliferation in its target cells.
<b>Form</b>	Lyophilized powder
<b>AA Sequence</b>	MHKSSPQGPDRLLIRLRHLIDIVEQLKIYENDLDPELLSAPQDVKGHCHEHAACFQK AKLKPSNPGNNKTFIIDLVAQLRRRLPARRGGKKQ KHIAKCPCDSYEK RTPKEFLERLKWLLQKMIHQHLS with polyhistidine tag at the C-terminus
<b>Endotoxin</b>	<0.1 EU per 1 µg of the protein by the LAL method.

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<b>Bio-activity</b>	Measure by its ability to enhance IFN gamma secretion in NK-92 cells. The ED50 for this effect is <6 ng/mL. The specific activity of recombinant mouse IL-21 is > 1.6 x 10 <sup>5</sup> IU/mg.
<b>Purity</b>	>95% as determined by SDS-PAGE. Ni-NTA chromatography
<b>Storage Buffer</b>	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.
<b>Reconstitution</b>	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
<b>Storage</b>	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
<b>Notes</b>	Please use within one month after protein reconstitution.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">IL21 interleukin 21 [ Mus musculus (house mouse) ]</a>
<b>Official Symbol</b>	<a href="#">IL21</a>
<b>Synonyms</b>	IL-21
<b>Gene ID</b>	<a href="#">60505</a>
<b>mRNA Refseq</b>	<a href="#">NM_001291041.1</a>
<b>Protein Refseq</b>	<a href="#">NP_001277970.1</a>

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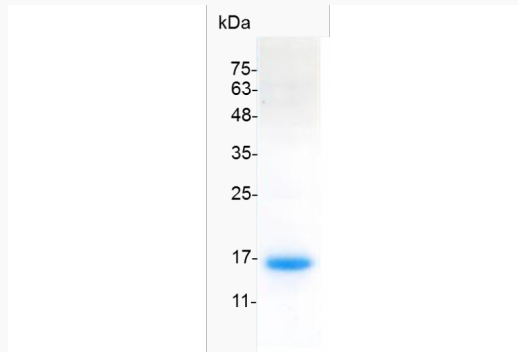
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UniProt ID

A0A8C6GYE7



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