Recombinant Active Mouse IL21 Protein, His-tagged(C-ter)

Cat. No. Il21-175M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Active Mouse IL21 Protein with His tag (C-ter) was expressed in E. coli.
Species	Mouse
Source	E.coli
Description	This gene encodes a member of the common-gamma chain family of cytokines with 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]
Form	Powder
Bio-activity	Determined by its ability to enhance IFN gamma secretion in NK-92 cells. The ED50
AA Sequence	MHKSSPQGPDRLLIRLRHLIDIVEQLKIYENDLDPELLSAPQDVKGHCEHAAFACFQK AKLKPSNPGNNKTFIIDLVAQLRRRLPARRGGKKQKHIAKCPSCDSYEKRTPKEFLE RLKWLLQKMIHQHLS
Endotoxin	Endotoxin level is less than 0.1 EU/μg of the protein, as determined by the LAL test.

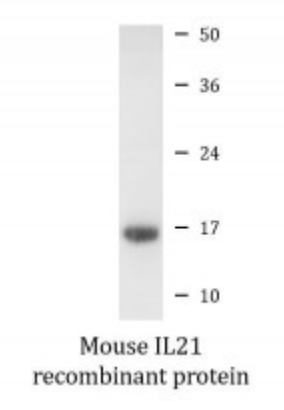
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Purity	> 95% (by SDS-PAGE)
Applications	SDS-PAGE
Notes	For laboratory research only, not for drug, diagnostic or other use.
Storage	Lyophilized protein should be stored at -20°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Storage Buffer	PBS (pH 7.4)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.

GENE INFORMATION

Gene Name	Il21 interleukin 21 [Mus musculus]
Official Symbol	Il21
Synonyms	IL21; interleukin 21; interleukin-21; IL-21;
Gene ID	60505
mRNA Refseq	NM_021782
Protein Refseq	NP_068554

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SDS-PAGE	

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