

Active Recombinant Mouse Il15 Protein, His-Tagged

Cat. No. II15-01M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Il15 Protein, His-tagged was expressed in E. coli cell
Species	Mouse
Source	E.coli
Description	Interleukin-15 (IL-15) is a cytokine with structural similarity to Interleukin-2 (IL-2). Like IL-2, IL-15 binds to and signals through a complex composed of IL-2/IL-15 receptor beta chain (CD122) and the common gamma chain (gamma-C, CD132). IL-15 is secreted by mononuclear phagocytes (and some other cells) following infection by virus(es). This cytokine induces cell proliferation of natural killer cells; cells of the innate immune system whose principal role is to kill virally infected cells.
Form	Lyophilized powder
AA Sequence	NWIDVRYDLEKIESLIQSIHIDTTLYTDSDFHPSCKVTAMNCFLLLELQVILHEYSNMTL NETVRNVLYLANSTLSSNKNVAESGCKECELEEKTF TEFLQSFIRIVQMFINTS with polyhistidine tag at the N-terminus
Endotoxin	<0.1 EU per 1 µg of the protein by the LAL method.
Bio-activity	Measure by its ability to induce CTLL-2 cells proliferation. The ED50 for this effect is <10 ng/mL. The specific activity of recombinant mouse IL-15 is approximately >1x 10 ⁵ IU/mg.

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Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography
Storage Buffer	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Notes	Please use within one month after protein reconstitution.

GENE INFORMATION

Gene Name	IL15 interleukin 15 [<i>Mus musculus</i> (house mouse)]
Official Symbol	IL15
Synonyms	IL-15
Gene ID	16168
mRNA Refseq	NM_001254747.2
Protein Refseq	NP_001241676.1
UniProt ID	P48346

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