

Active Recombinant Mouse Interleukin 15, His-tagged

Cat. No. II15-739M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Il15, fused to His-tagged, was expressed in E. coli and purified by using conventional chromatography after refolding of the isolated inclusion bodies in a redox buffer. MW: 17.6 kDa.
Species	Mouse
Source	E.coli
ProteinLength	49-162aa
Description	Il15 is a pleiotropic cytokine that plays a pivotal role in both innate and adaptive immunity and has structural similarity to IL2 that is secreted by mononuclear phagocytes following infection by viruses. Stimulation by Il15 requires interaction of Il15 with components of IL-2R, including IL-2Rbeta and probably IL-2R gamma, but not IL-2R alpha.
Form	Liquid. In Phosphate Buffered Saline (pH7.4) containing 10% glycerol.
Bio-activity	Measured in a cell proliferation assay using CTLL2 mouse cytotoxic T cells. The ED50 for this effect is < 1= ">
Molecular Mass	17.6 kDa (152aa), confirmed by MALDI-TOF.
AA Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMNW IDVRYDLEKI ESLIQSIHID TPLYTDSDFH PSCKVTAMNC FLELQVILH EYSNMTLNET

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VRNVLYLANS TLSSNKNVAE SGCKECEELE EKTFTFLQS FIRIVQMFN TS

Endotoxin < 1.0 eu per 1 µg of protein (determined by lal)

Purity >90% by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Concentration 0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [IL15 interleukin 15 \[Mus musculus \]](#)

Official Symbol IL15

Synonyms IL15; interleukin 15; interleukin-15; IL-15; AI503618;

Gene ID [16168](#)

mRNA Refseq [NM_001254747](#)

Protein Refseq [NP_001241676](#)

Pathway

Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Cytokines and Inflammatory Response (BioCarta), organism-specific biosystem; HTLV-I infection, organism-specific biosystem; HTLV-I infection, conserved biosystem; Herpes simplex infection,

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organism-specific biosystem; Herpes simplex infection, conserved biosystem;

Function

cytokine activity; cytokine activity; cytokine receptor binding;

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