Active Recombinant Mouse Il2 Protein, His-tagged

Cat. No. Il2-7239M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse IL2 was expressed in E. coli and purified by conventional chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.
Species	Mouse
Source	E.coli
ProteinLength	21-169
Description	Produced by T-cells in response to antigenic or mitogenic stimulation, this protein is required for T-cell proliferation and other activities crucial to regulation of the immune response. Can stimulate B-cells, monocytes, lymphokine-activated killer cells, natural killer cells, and glioma cells.
Form	Liquid
Bio-activity	Measured in a cell proliferation assay using CTLL-2 mouse T lymphocyte. The ED50 for this effect is < 0.9 ng/mL.
Molecular Mass	17.3 kDa
AA Sequence	MAPTSSSTSSSTAEAQQQQQQQQQQQQHLEQLLMDLQELLSRMENYRNLKLPRM LTFKFYLPKQATELKDLQCLEDELGPLRHVLDLTQSKSFQLEDAENFISNIRVTVVKLK GSDNTFECQFDDESATVVDFLRRWIAFSQSIISTSPQ

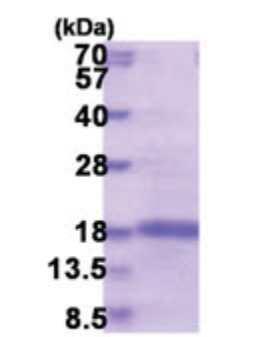
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Endotoxin	< 1.0 EU/μg of protein (determined by LAL method)
Purity	> 90 % by SDS-PAGE
Stability	Shelf life: one year from despatch.
Storage	Store undiluted at 2-8 centigrade for one week or (in aliquots) at -20 to -80 centigrade for longer. Avoid repeated freezing and thawing.
Concentration	0.5 mg/mL (determined by Bradford assay)
Storage Buffer	PBS, pH 7.4

GENE INFORMATION

Gene Name	Il2 interleukin 2 [Mus musculus (house mouse)]
Official Symbol	Il2
Synonyms	Il2; interleukin 2; IL; Il-2; interleukin-2; T-cell growth factor; TCGF
Gene ID	16183
mRNA Refseq	NM_008366
Protein Refseq	NP_032392
UniProt ID	P04351

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SDS-PAGE	 15% SDS-PAGE (3ug)

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