


## Active Recombinant Mouse IL2 Protein

**Cat. No.** IL2-106M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant mouse IL2 (21-169aa) protein without tag was expressed in E.coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	21-169 a.a.
<b>Description</b>	IL2(Interleukin2), also known as T cell growth factor (TCGF), is an immunoregulatory lymphokine produced by T-cells in response to antigenic or mitogenic stimulation. IL2/IL-2R signaling is required for T-cell proliferation and other fundamental functions which are essential for the immune response. IL2 stimulates growth and differentiation of B-cells, NK cells, lymphokine activated killer cells, monocytes, macrophages and oligodendrocytes.
<b>Form</b>	Liquid
<b>Bio-activity</b>	Measured in a cell proliferation assay using CTLL-2 mouse T lymphocyte. The ED50 for this effect is < 0.9 ng/mL.
<b>Molecular Mass</b>	17.3kDa
<b>AA Sequence</b>	MAPTSSSTSSSTAEAAQQQQQQQQQQQHLQQLMDLQELLSRMENYRNKLPRM LTFKFYLPKQATELKDLQCLEDELGPLRHVLDLTQSKSFQLEDAENFISNIRVTVVKLK GSDNTFECQFDDESATVVDFLRRWIAFSQSIISTSPQ

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<b>Endotoxin</b>	< 1.0 EU per 1 microgram of protein (determined by LAL method)
<b>Purity</b>	> 90% by SDS - PAGE
<b>Notes</b>	For research use only. This product is not intended or approved for human, diagnostics or veterinary use.
<b>Storage</b>	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.
<b>Concentration</b>	0.5 mg/mL (determined by BCA assay)
<b>Storage Buffer</b>	In Phosphate Buffered Saline (pH7.4), 10% glycerol

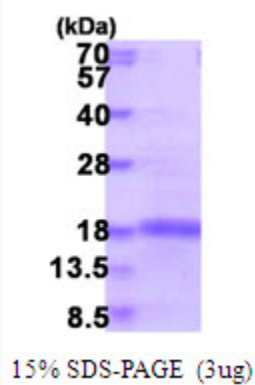
## GENE INFORMATION

<b>Gene Name</b>	IL2
<b>Official Symbol</b>	IL2 interleukin 2 [ <i>Mus musculus</i> (house mouse) ]
<b>Synonyms</b>	IL2; interleukin 2; IL-2; interleukin-2; T-cell growth factor; TCGF
<b>Gene ID</b>	16183
<b>mRNA Refseq</b>	NM_008366
<b>Protein Refseq</b>	NP_032392
<b>UniProt ID</b>	P04351

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