

## Active Recombinant Mouse IL2 Protein

Cat. No. IL2-156M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse IL2 Protein without tag was expressed in E. coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>Description</b>	Interleukin 2 (IL-2) is an immunomodulatory cytokine that is produced by lymphocytes. IL-2 signals through the IL-2R receptor to induce activated T cell proliferation and promote T cell differentiation. IL-2 also stimulates the proliferation and differentiation of B cells, natural killer cells, monocytes, and macrophages.
<b>Bio-activity</b>	CTLL-2 cell proliferation, $\leq 5$ ng/mL
<b>Molecular Mass</b>	Monomer, 17.4 kDa (150 aa)
<b>AA Sequence</b>	MAPTSSSTSSSTAEAQQQQQQQQQQQHLEQLLMDLQELLSRMENYRNKLP LTFKFYLPKQATELKDLCLEDELGPLRHVLDLTQSKSFQLEDAENFISNIRVTVVKKL GSDNTFECQFDDESATVVDFLRRWIAFCQSIISTSPQ
<b>Endotoxin</b>	$\leq 1$ EUs/ $\mu$ g, Kinetic LAL
<b>Purity</b>	$\geq 95\%$ , Reducing and Non-Reducing SDS PAGE
<b>Stability</b>	12 months from date of receipt when stored at -20 to -80 centigrade as supplied. 1 month when stored at 4 centigrade after reconstituting as directed.

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3 months when stored at -20 to -80 centigrade after reconstituting as directed.

**Storage**

Storage Prior to Reconstitution: -20 centigrade

**Storage Buffer**

Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium citrate, pH 4.0

**Reconstitution**

Sterile 10 mM acetic acid at 0.1 mg/mL

**Shipping**

Room temperature

**Instructions**

Centrifuge vial before opening. Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80 centigrade and avoid repeat freeze thaws.

## GENE INFORMATION

**Gene Name**

IL2 interleukin 2 [ *Mus musculus* (house mouse) ]

**Official Symbol**

IL2

**Synonyms**

IL2; interleukin 2; interleukin-2; TCGF; T-cell growth factor; Il-2;

**Gene ID**

16183

**mRNA Refseq**

NM\_008366

**Protein Refseq**

NP\_032392

**UniProt ID**

P04351

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