

Active Recombinant Mouse IL2 Protein

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

SPECIFICATION

Product Overview	Recombinant Mouse IL2 Protein without tag was expressed in E. coli.
Species	Mouse
Source	E.coli
Description	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.
Bio-activity	CTLL-2 cell proliferation, ≤ 5 ng/mL
Molecular Mass	Monomer, 17.4 kDa (150 aa)
AA Sequence	MAPTSSSTSSSTAEAAQQQQQQQQQQHLEQLLMDLQELLSRMENYRNKLPRM LTFKFYLPKQATELKDLQCLEDELGPLRHVLDLTQSKSFQLEDAENFISNIRVTTVVKLK GSDNTFECQFDDESATVVDLRRWIAFCQSIISTSPQ
Endotoxin	≤ 1 EUs/ μ g, Kinetic LAL
Purity	$\geq 95\%$, Reducing and Non-Reducing SDS PAGE
Stability	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 [<i>Mus musculus</i> (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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