

Active Recombinant Mouse IL2 Protein

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

SPECIFICATION

Product Overview	Recombinant mouse IL2 (21-169aa) protein without tag was expressed in E.coli.
Species	Mouse
Source	E.coli
ProteinLength	21-169 a.a.
Description	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.
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	17.3kDa
AA Sequence	MAPTSSSTSSSTAEAAQQQQQQQQQQQHLQQLMDLQELLSRMENYRNKLPRM LTFKFYLPKQATELKDLQCLEDELGPLRHVLDLTQSKSFQLEDAENFISNIRVTVVKLK GSDNTFECQFDDESATVVDFLRRWIAFSQSIISTSPQ

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Endotoxin	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Purity	> 90% by SDS - PAGE
Notes	For research use only. This product is not intended or approved for human, diagnostics or veterinary use.
Storage	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.
Concentration	0.5 mg/mL (determined by BCA assay)
Storage Buffer	In Phosphate Buffered Saline (pH7.4), 10% glycerol

GENE INFORMATION

Gene Name	IL2
Official Symbol	IL2 interleukin 2 [<i>Mus musculus</i> (house mouse)]
Synonyms	IL2; interleukin 2; 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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