Active Recombinant Mouse Il2 Protein

Cat. No. Il2-104M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Mouse interleukin 2 (Il2) without tag was expressed in E.coli.
Species	Mouse
Source	E.coli
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.
Bio-activity	The ED50 as determined by the dose dependent stimulation of murine CTLL-2 cells is > 0.2 ng/ml, corresponding to a specific activity of > 5 x 10^6 units/mg.
Molecular Mass	17.2 kDa
AA Sequence	PTSSSTSSSTAEAQQQQQQQQQQQHLEQLLMDLQELLSRMENYRNLKLPRMLTF KFYLPKQATELKDLQCLEDELGPLRHVLDLTQSKSFQLEDAENFISNIRVTVVKLKGS DNTFECQFDDESATVVDFLRRWIAFCQSIISTSPQ
Endotoxin	Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg)
Purity	>95%, as determined by SDS-PAGE and Coomassie blue staining

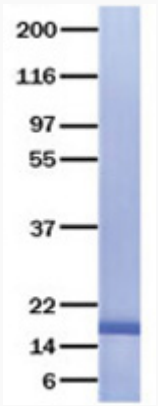
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Stability	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
Storage	Store at -80 centigrade.
Storage Buffer	Lyophilized from a 0.2 μM filtered solution of 20mM phosphate buffer,100mM NaCl, pH 7.2
Reconstitution	Resuspend the protein in the desired concentration in proper buffer.

GENE INFORMATION

Gene Name	Il2 interleukin 2 [Mus musculus (house mouse)]
Official Symbol	Il2
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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA



Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA