Active Recombinant Mouse IL6 Protein

Cat. No. IL6-185M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse IL6 Protein without tag was expressed in E. coli.
Species	Mouse
Source	E.coli
Description	Interleukin 6 (IL-6) is a cytokine that is expressed by T cells, macrophages, and muscle cells. IL-6 acts to stimulate an immune response upon infection or trauma. IL-6 has both pro-inflammatory and anti-inflammatory functions, is capable of promoting fever, and signals through the cell-surface type I cytokine receptor complex containing the IL-6Ra and gp130 chains. Human IL-6 is active on mouse and rat cells.
Bio-activity	B9 cell proliferation, ED50≤50 pg/mL
Molecular Mass	Monomer, 21.9 kDa (188 aa)
AA Sequence	MFPTSQVRRGDFTEDTTPNRPVYTTSQVGGLITHVLWEIVEMRKELCNGNSDCMNN DDALAENNLKLPEIQRNDGCYQTGYNQEICLLKISSGLLEYHSYLEYMKNNLKDNKK DKARVLQRDTETLIHIFNQEVKDLHKIVLPTPISNALLTDKLESQKEWLRTKTIQFILKS LEEFLKVTLRSTRQT
Endotoxin	≤1 EUs/μg, Kinetic LAL
Purity	≥95%, Reducing and Non-Reducing SDS PAGE

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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. 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 0.1% Trifluoroacetic Acid (TFA)
Reconstitution	Sterile 10 mM HCl 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	Il6 interleukin 6 [Mus musculus (house mouse)]
Official Symbol	IL6
Synonyms	IL6; interleukin 6; interleukin-6; interleukin HP-1; B-cell hybridoma growth factor; Il-6;
Gene ID	16193
mRNA Refseq	NM_031168
Protein Refseq	NP_112445

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UniProt ID	P08505

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