

Active Recombinant Mouse Il6 Protein, His-tagged

Cat. No. Il6-237I **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Il6 Protein with a His tag was expressed in CHO.
Species	Mouse
Source	CHO
Description	Interleukin-6 (IL-6), also known as BSF-2, CDF and IFNB2, is a pleiotropic cytokine that participates in both pro-inflammatory and anti-inflammatory responses. It is produced mainly by T cells, macrophages, monocytes, endothelial cells and muscle cells. IL-6 binds to IL-6 receptor (IL-6R) to trigger the association of IL-6R with gp130, inducing signal transduction through JAKs and STATs. The biological functions of IL-6 are diverse. It stimulates B cell differentiation and antibody production, myeloma and plasmacytoma growth, and nerve cell differentiation. It also acts as a myokine, produced by muscle cells in response to muscle contraction and released into the blood stream to help break down fats and improve insulin resistance.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-activity	ED50 < 3 pg/mL, measured in a bioassay using 7TD1 cells.
Molecular Mass	24-26 kDa, observed by reducing SDS-PAGE.
AA Sequence	FPTSQVRRGDFTEDTTPNRPVYTTSQVGGLITHVLWEIVEMRKELCNGNSDCMNND DALAENNLKLPEIQRNDGQYQTGYNQEICLLKISSGLLEYHSYLEYMKNNLKDNDKKD KARVLQRDTETLIHIFNQEVKDLHKIVLPTPISNALLTDKLESQKEWLRTKTIQFILKSL

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	EEFLKVTLRSTRQTHHHHHH
Endotoxin	< 0.2 EU/μg, determined by LAL method.
Purity	> 95% as analyzed by SDS-PAGE.
Storage	Lyophilized recombinant murine Interleukin-6 (IL-6), His, Murine remains stable up to 6 months at -80 centigrade from date of receipt. Upon reconstitution, murine Interleukin-6 (IL-6), His should be stable up to 1 week at 4 centigrade or up to 2 months at -20 centigrade.
Storage Buffer	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH ₂ O or PBS at 100 μg/mL.

GENE INFORMATION

Gene Name	IL6 interleukin 6 [<i>Mus musculus</i>]
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
UniProt ID	P08505

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