

Recombinant Mouse Il6 Protein, His-tagged

Cat. No. Il6-214M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Il6 Protein with His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
Description	Acute phase response is induced by interleukin-6 (IL-6) produced by T cells, macrophages, fibroblasts, endothelial and other cells. IL-6 induces proliferation or differentiation in many cell types including B cells, thymocytes and T cells. IL-6, in concert with TGF-β, is important for developing Th17 responses. IL-6 binds to IL-6Rα and through this association induces gp130 homodimerization. gp130 homodimerization triggers the Jak/Stat cascade and the SHP-2/Erk MAP kinase cascade. IL-6 also forms a complex with an IL-6Rα splice variant that is nonmembrane-associated. The IL-6/soluble IL-6Rα complex can then activate the gp130 signaling pathway in cells that express gp130 but not IL-6Rα. Research studies have shown that IL-6, through increasing expression of proangiogenic VEGF, may also contribute to metastatic breast cancer.
Molecular Mass	~26 kDa
AA Sequence	MKFLSARDFHPVAFLGLMLVTTTAFPTSQVRRGDFTEDTTPNRPVYTTSQVGGLITH VLWEIVEMRKELCNGNSDCMNDDALAENNLKLPEIQRNDGCGYQTGYNQEICLLKIS SGLLEYHSYLEYMKNNLKDNDKDKARVLQRDTETLIHIFNQEVKDLHKIVLPTPISNAL LTDKLESQKEWLRTKTIQFILKSLEEFLLKVTLRSTRQT

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Purity	Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).
Notes	For research use only, not for use in diagnostic procedure.
Storage	Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.
Storage Buffer	PBS, 4M Urea, pH7.4

GENE INFORMATION

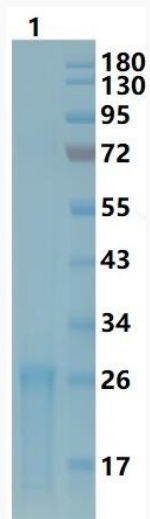
Gene Name	Il6 interleukin 6 [<i>Mus musculus</i> (house mouse)]
Official Symbol	Il6
Synonyms	Il6; interleukin 6; Il-6; interleukin-6; B-cell hybridoma growth factor; interleukin HP-1
Gene ID	16193
mRNA Refseq	NM_031168
Protein Refseq	NP_112445
UniProt ID	P08505

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SDS-PAGE



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