

Recombinant Mouse Il6 protein, His-tagged

Cat. No. Il6-490M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Il6 (P08505) aa. (Phe25~Thr211) fused with His tag was produced in HEK293F cells.
Species	Mouse
Source	HEK293
ProteinLength	Phe25~Thr211
Description	This gene encodes a member of the interleukin family of cytokines that have important functions in immune response, hematopoiesis, inflammation and the acute phase response. The ectopic overexpression of the encoded protein in mice results in excessive plasma cells in circulation, leading to death. Mice lacking the encoded protein exhibit abnormalities in hepatic acute phase response, some immune mechanisms, bone resorption in response to estrogen, liver regeneration and wound healing. Alternative splicing results in multiple transcript variants encoding different isoforms.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 23.3kDa; Accurate Molecular Mass: 26-33kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)

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Purity	> 95%
Characteristic	Isoelectric point is 6.5.
Applications	SDS-PAGE; WB; ELISA; IP; CoIP; EMSA; Reporter Assays; Purification; Amine Reactive Labeling
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Concentration	200ug/mL
Storage buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex

GENE INFORMATION

Gene Name	IL6 interleukin 6 [Mus musculus (house mouse)]
Official Symbol	IL6
Synonyms	IL6; interleukin 6; IL-6; interleukin-6; B-cell hybridoma growth factor; interleukin HP-1

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Gene ID	16193
mRNA Refseq	NM_001314054.1
Protein Refseq	NP_001300983.1
UniProt ID	P08505

SDS-PAGE
