

Active Recombinant Mouse Il6 Protein (Phe25-Thr211), C-His tagged, Animal-free, Carrier-free

Cat. No. Il6-61M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Il6 Protein (Phe25-Thr211) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Mouse
Source	E.coli
ProteinLength	Phe25-Thr211
Description	Interleukin-6 (IL-6) is a pleiotropic, 22-28 kDa cytokine which plays fundamental role in the acute phase response, inflammation, bone metabolism, lymphocyte differentiation and cancer progression. Deregulation of IL-6 production was also found in several diseases, including rheumatoid arthritis, Alzheimer's disease, autoimmune deficiency disease and different types of cancer.
Form	Lyophilized
Bio-activity	Measure by its ability to induce proliferation in 7TD1 cells. The ED50 for this effect is < 0.01 ng/mL. The specific activity of recombinant mouse IL-6 is approximately >1 × 10 ⁸ IU/mg.
Molecular Mass	The protein has a calculated MW of 22.7 kDa. The protein migrates as 24 kDa under reducing condition (SDS-PAGE analysis).

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Endotoxin	< 0.1 EU/μg of the protein by the LAL method.
Purity	>98% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

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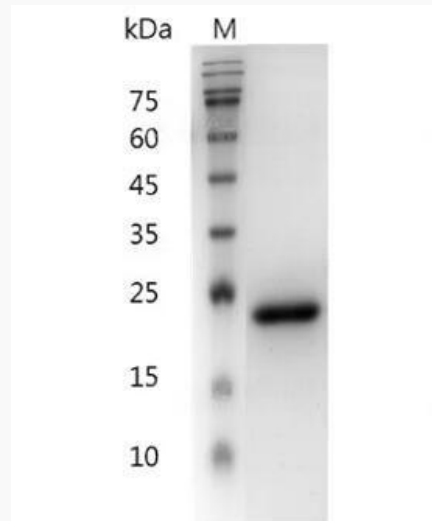
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UniProt ID

P08505

**SDS-PAGE analysis
of recombinant
mouse IL-6.**



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