

Active Recombinant Human IL6 Protein (Val30-Met212), C-His tagged, Animal-free, Carrier-free

Cat. No. IL6-170H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL6 Protein (Val30-Met212) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Val30-Met212
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 TF-1 cells The ED50 for this effect is < 0.5 ng/mL. The specific activity of recombinant human IL-6 is approximately $>5 \times 10^8$ IU/mg. Measure by its ability to induce proliferation in MCF-7 cells. The ED50 for this effect is < 4.4 ng/mL.
Molecular Mass	The protein has a calculated MW of 21.8 kDa.

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	The protein migrates as 22 kDa under reducing condition (SDS-PAGE analysis).
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 (interferon, beta 2) [Homo sapiens (human)]
Official Symbol	IL6
Synonyms	IL6; interleukin 6 (interferon, beta 2); IFNB2; interleukin-6; BSF2; HGF; HSF; IL 6; CDF; BSF-2; IFN-beta-2; interferon beta-2; interleukin BSF-2; hybridoma growth factor; CTL differentiation factor; B-cell stimulatory factor 2; B-cell differentiation factor; IL-6;

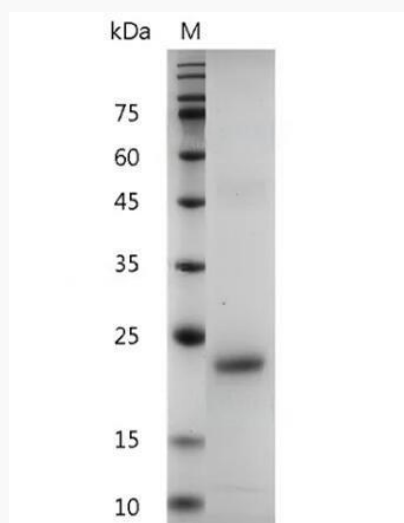
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Gene ID	3569
mRNA Refseq	NM_000600
Protein Refseq	NP_000591
MIM	147620
UniProt ID	P05231

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



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