

Active Recombinant Human IL6 protein, GST-tagged

Cat. No. IL6-1047H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human IL6 protein(P05231)(29~212 aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	29-212 aa
Form	Lyophilized from sterile 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Bio-activity	Interleukin-6 (IL-6), a pro-inflammatory cytokine and an anti-inflammatory myokine, plays important roles in the acute phase reaction, inflammation, hematopoiesis, bone metabolism, and cancer progression. It has been reported that IL-6 significantly increased the MMP-10 protein lever in the human lung cancer A549 cells through the JAK/STAT signaling pathway. Briefly, A549 cells were seeded into 6-well cell culture clusters and allowed to grow to 50-70% confluence, then different concentrations of IL-6 was added. After incubated for 24h, the protein levels of MMP-10 in the cell supernatant were determined by Western blot.
Molecular Mass	46.9kDa
Purity	> 95% as determined by SDS-PAGE.

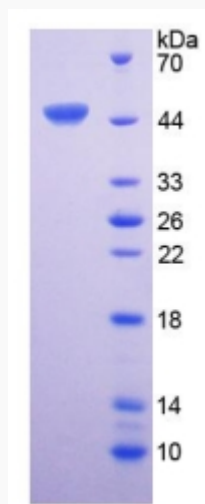
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Storage	Avoid repeated freeze/thaw cycles. Store at -20°C for 12 months. Aliquot and store at -80°C for 12 months.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
GENE INFORMATION	
Gene Name	IL6 interleukin 6 (interferon, beta 2) [Homo sapiens]
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;
Gene ID	3569
mRNA Refseq	NM_000600
Protein Refseq	NP_000591
MIM	147620
UniProt ID	P05231

SDS-PAGE



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