

Recombinant Human IL-6 Protein

Cat. No. IL6R-1058H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human interleukin-6 antigen is produced by E.coli expression system and the target gene encoding Pro29-Met212 is expressed. Predicted molecular weight: 21 kDa.
Species	Human
Source	E.coli
ProteinLength	29-212 a.a.
Form	IL-6 is an interleukin that acts as both a pro-inflammatory and anti-inflammatory cytokine. It is secreted by T cells and macrophages to stimulate immune response to trauma, especially burns or other tissue damage leading to inflammation. IL-6 is relevant to many disease processes such as diabetes, atherosclerosis, depression, Alzheimer's Disease, systemic lupus erythematosus, cancer, and rheumatoid arthritis. There is an interest in developing anti-IL-6 agents as therapy against many of these diseases. The first such is tocilizumab which has been approved for rheumatoid arthritis.
Molecular Mass	21 kDa
Purity	> 90 % by SDS-PAGE
Storage	-20 centigrade

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Concentration	0.5 mg/ml when reconstituted with 100 µof deionized water
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Storage Buffer	20 mM Hac-NaAc, pH 5.0, 150 mM NaCl
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GENE INFORMATION

Gene Name	IL6R interleukin 6 receptor [Homo sapiens]
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Official Symbol	IL6R
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Synonyms	IL6R; interleukin 6 receptor; interleukin-6 receptor subunit alpha; CD126; IL-6R 1; CD126 antigen; membrane glycoprotein 80; IL-6 receptor subunit alpha; gp80; IL6RA; IL-6RA; IL-6R-1; MGC104991;
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Gene ID	3570
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mRNA Refseq	NM_000565
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Protein Refseq	NP_000556
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MIM	147880
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UniProt ID	P08887
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