

Recombinant Human Interleukin-6 Soluble Receptor, His-tagged

Cat. No. IL6R-100H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human sIL-6R produced in E.Coli is a single, non-glycosylated polypeptide chain containing 338 amino acids (20-357) corresponding to the mature IL-6R protein, having a molecular weight of 42.25 kDa, with an aminoterminal hexahistidine tag. The sIL6R is purified by proprietary chromatographic techniques.
Species	Human
Source	E.coli
Description	The IL-6 receptor complex is composed of two membrane glycoproteins: the low affinity receptor and the signaltransducing component. The soluble form of IL6R is found in the urine of healthy adult humans and the serum of HIV positive individuals, as well as in the cell culture supernatants of stimulated PBMC's. This soluble form of IL6R results from either proteolytic cleavage from the membrane, or an isoform derived splice variant.
Physical Appearance	Sterile Filtered clear solution 0.22 (mg/ml).
Purity	Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Formulation	CD126 His-Tag protein is supplied in 20mM Tris HCl pH-8 and 50% glycerol.
Stability	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for

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longer periods of time. Please avoid freeze thaw cycles.

GENE INFORMATION

Gene Name	IL6R interleukin 6 receptor [Homo sapiens]
Synonyms	IL6R; CD126; IL-6R-1; IL6R-alpha; IL-6R-alpha; IL6RA; MGC104991; OTTHUMP00000034320; gp80; CD126 antigen; IL-6R 1; Interleukin-6 receptor alpha chain precursor; B cell stimulatory factor-2; Membrane glycoprotein 80; interleukin 6 receptor; interleukin 6 receptor alpha subunit.
Gene ID	3570
mRNA Refseq	NM_000565
Protein Refseq	NP_000556
MIM	147880
UniProt ID	P08887
Chromosome Location	1q21
Pathway	Cytokine-cytokine receptor interaction; Hematopoietic cell lineage; Jak-STAT signaling pathway.
Function	ciliary neurotrophic factor binding; ciliary neurotrophic factor receptor activity; enzyme binding; interleukin-6 receptor activity; protein homodimerization activity; receptor binding.

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PDBrendering based
on 1n26. Available
structures: 1n26, 1p9m, 2



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