

Recombinant Human IL6R Protein, C-His-tagged

Cat. No. IL6R-070H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL6R Protein with C-His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	The IL-6 receptor is a heterodimeric complex that consists of a ligand-binding IL-6 receptor α (IL-6Rα) subunit and a signaling component, gp130. Binding of IL-6 to IL-6Rα results in dimerization of receptor with gp130 and subsequent STAT3 activation (1). IL-6Rα is cleaved from the cell surface by ADAM17. In humans, soluble IL-6Rα is also generated via alternatively spliced mRNA. Soluble IL-6Rα binds to IL-6 and can stimulate signaling via membrane bound gp130 in a process known as "trans-signaling". It is through trans-signaling that IL-6 stimulates cells that do not express membrane bound IL-6Rα.
Molecular Mass	~38 kDa
AA Sequence	LAPRRCPAQEVARGVLTSLPGDSVTLTCPGVEPEDNATVHWVLRKPAAGSHPSRW AGMGRRLLLRSVQLHDSGNYSYRAGRPAAGTVHLLVDVPPEEPQLSCFRKSPLSN VVCEWGRSTPSLTTKAVLLVRKFQNSPAEDFQEPQCYSQESQKFSCQLAVPEGD SSFYIVSMCVASSVGSKFSKTQTFQGCILQPDPPANITVTAVARNPRWLSVTWQD PHSWNSSFYRLRFELRYRAERSKTFTTWMVKDLQHHCVIHDAWSGLRHVVQLRAQ EEFGQGEWSEWSPEAMGTPWTESRSPPAENEVSTPMQALTNNKDDDNILFRDSAN ATSLPVQDSSSVPLP

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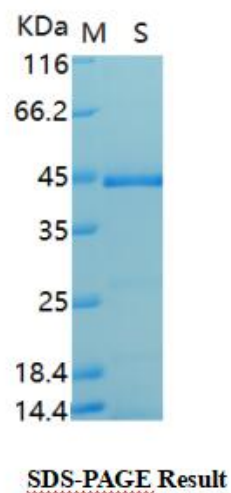
Purity	Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).
Notes	For research use only, not for use in diagnostic procedure.
Storage	Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.
Concentration	≥0.5 mg/mL
Storage Buffer	PBS, 4M Urea, pH7.4
GENE INFORMATION	
Gene Name	IL6R interleukin 6 receptor [Homo sapiens (human)]
Official Symbol	IL6R
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;
Gene ID	3570
mRNA Refseq	NM_000565
Protein Refseq	NP_000556
MIM	147880
UniProt ID	P08887

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SDS-PAGE



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