

Active Recombinant Human IL6R Protein

Cat. No. IL6R-584H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL6R Protein is produced by HEK293 cells expression system.
Species	Human
Source	HEK293
Description	IL-6 mediates its biological effects through the type I IL-6 receptor system that consists of two chains, IL-6R α and gp130. While the IL-6R α chain is the binding component specific to IL-6, the gp130 chain only transmits signals of IL-6 when bound to IL-6R α . The gp130 can also transmit signals from LIF, OSM, CNTF, IL-11 and CT-1 in conjunction with other receptor subunits. The low-affinity binding site for IL-6 is composed of IL-6R α alone. IL-6R α is expressed in a wide range of cells, including T cells, fibroblasts and macrophages. Soluble IL-6R α , which consists of only the extracellular domain of the IL-6R α chain, acts as an agonist of IL-6 activity at low concentrations. Recombinant Human sIL-6R α is a 37.6 kDa protein consisting of the extracellular domain of the IL-6R α chain (339 amino acid residues).
Bio-activity	The ED50 was determined by its ability to intensify the IL-6 induced growth inhibition of murine M1 cells is ≤ 5.0 ng/ml, in the presence of 20 ng/ml of rhIL-6.
AA Sequence	LAPRRCPAQE VARGVLTSLP GDSVTLTCPG VEPEDNATVH WVLRKPAAGS HPSRWAGMGR RLLLRVQLH DSGNYSCYRA GRPAGTVHLL VDVPPEEPQL SCFRKSPLSN VVCEWGRPRST PSLTTKAVLL VRKFQNSPAE DFQEPCQYSQ ESQKFSCQLA VPEGDSSFYI VSMCVASSVG SKFSKTQTFQ GCGILQPDPP

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ANITVTAVAR NPRWLSVTWQ DPHSWNSSFY RLRFELRYRA ERSKTFTTWM
VKDLQHHCVI HDAWSGLRHV VQLRAQEEFG QGEWSEWSPE AMGTPWTESR
SPPAENEVST PMQALTTNKD DDNILFRDSA NATSLPVQD

Purity ≥ 98% by SDS-PAGE gel and HPLC analyses.

GENE INFORMATION

Gene Name IL6R interleukin 6 receptor [Homo sapiens]

Official Symbol IL6R

Synonyms IL6R; CD126; IL-6R 1; CD126 antigen; 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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