

Active Recombinant Human IL6RA protein

Cat. No. IL6RA-3322H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL6RA 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.
Molecular Mass	37.6 kDa
AA Sequence	LAPRRCPAQE VARGVLTS LP GDSVTLTC PG VEPEDNATVH WVLRKPAAGS HPSRWAGMGR RLLLRVQLH DSGNYSCYRA GRPAGTVHLL VDVPPEEPQL

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SCFRKSPLSN VVCEWGPRST PSLTTKAVLL VRKFQNSPAE DFQEPCQYSQ
ESQKFSCQLA VPEGDSSFYI VSMCVASSVG SKFSKTQTFQ GCGILQPDPP
ANITVTAVAR NPRWLSVTWQ DPHSWNSSFY RLRFELRYRA ERSKTFTTWM
VKDLQHHCVI HDAWSGLRHV VQLRAQEEFG QGEWSEWSPE AMGTPWTESR
SPPAENEVST PMQALTTNKD DDNILFRDSA NATSLPVQD

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

Notes Not for human use.

GENE INFORMATION

Synonyms soluble IL-6 receptor alpha; B cell stimulatory factor-2; CD126;

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