

IL-6 receptor alpha Active Protein | IL-6 active protein

Human IL-6 receptor alpha, soluble

CATALOG # AAA79325	HOST CHO cells	REACTIVITY Human
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PRODUCT SYNONYMS

IL-6 receptor alpha; Human IL-6 receptor alpha; soluble; soluble IL-6 receptor alpha; B cell stimulatory factor-2; CD126; IL-6 active protein

PRODUCT SPECIFICATIONS

Host	CHO cells
Reactivity	Human
Purity/Purification	> 95% by SDS-PAGE & HPLC analyses
Form/Format	Lyophilized
Sequence	LAPRRCPAQE VARGVLTSPL GDSVTLTCPG VEPEDNATVH WVLKRPAAGS HPSRWAGMGR RLLLRVQLH DSGNYSYRA GRPAGTVHLL VDPPEEPQL SCFRKSPLSN VVCEWGPST PSLTTKAVLL VRKFQNSPAE DFQEPQYSQ ESQKFSCQLA VPEGDSSFYI VSMCVASSVG SKFSKTQTFQ GCGILQPDPP ANITVTAVAR NPRWLSVTWQ DPHSWNSSFY RLR FELRYRA ERSKTFTTWM VKDLQHHCVI HDAWSGLRHV VQLRAQEEFG QGEWSEWSPE AMGTPWTESR SPPAENEVST PMQALTTNKD DDNILFRDSA NATSLPVQD
Sequence Length	339
Endotoxin level	< 0.1 ng/ug of protein (<1EU/ug).
Biological Activity	Determined by its ability to intensify the IL-6 induced growth inhibition of mouse M1 cells. The expected ED50 is <= 5.0 ng/ml, in the presence of 20 ng/ml of rhIL-6.
Preparation and Storage	Stability: The lyophilized protein is stable at room temperature for 1 month and at 4°C for 3 months. Reconstituted working aliquots are stable for 1 week at 2°C to 8°C and for 3 months at -20°C to -80°C. Reconstitution: Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C. AVOID REPEATED FREEZE AND THAW CYCLES!

ADDITIONAL INFORMATION

Related Product Information for IL-6 active protein	IL-6 mediates its biological effects through the type I IL-6 receptor system that consists of two chains, IL-6Ralpha and gp130. While the IL-6Ralpha chain is the binding component specific to IL-6, the gp130 chain only transmits signals of IL-6 when bound to IL-6Ralpha. 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-6Ralpha alone. IL-6Ralpha is expressed in a wide range of cells, including T cells, fibroblasts and macrophages. Soluble IL-6Ralpha, which consists of only the extracellular domain of the IL-6Ralpha chain, acts as an agonist of IL-6 activity at low concentrations. Recombinant Human sIL-6 Receptor alpha is a 37.9 kDa glycoprotein corresponding to 339 amino acid residues of the extracellular domain of IL-6Ralpha. As a result of glycosylation, Recombinant Human sIL-6 Receptor alpha migrates with an apparent molecular mass of approximately 57-70 kDa by SDS-PAGE gel, under reducing conditions.
Product Categories/Family for IL-6 active protein	Soluble receptors

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504673
NCBI GeneID	3570
NCBI Accession #	NP_000556.1
NCBI GenBank Nucleotide #	NM_000565.3
UniProt Accession #	P08887; Q16202; Q53EQ7; Q5FWG2; Q5VZ23; A8KAE8; B2R6V4
Molecular Weight	57-70 kDa (reducing conditions)
NCBI Official Full Name	interleukin-6 receptor subunit alpha isoform 1
NCBI Official Synonym Full Names	interleukin 6 receptor
NCBI Official Symbol	IL6R
NCBI Official Synonym Symbols	IL6Q; gp80; CD126; IL6RA; IL6RQ; IL-6RA; IL-6R-1
NCBI Protein Information	interleukin-6 receptor subunit alpha
UniProt Protein Name	Interleukin-6 receptor subunit alpha
UniProt Gene Name	IL6R
UniProt Synonym Gene Names	IL-6 receptor subunit alpha; IL-6R subunit alpha; IL-6R-alpha; IL-6RA; gp80

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/cho-cells-human-active-protein/il-6-receptor-alpha/79325>