

32-20617: Recombinant Human sIL-6 Receptor Alpha (CHO derived)(Discontinued)

Alternative Name : soluble IL-6 receptor alpha, B cell stimulatory factor-2, CD126

Description

Source:CHO cells

IL-6 mediates its biological effects through the type I IL-6 receptor system that consists of two chains, IL-6RA α and gp130. While the IL-6RA α chain is the binding component specific to IL-6, the gp130 chain only transmits signals of IL-6 when bound to IL-6RA 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-6RA α alone. IL-6RA α is expressed in a wide range of cells, including T cells, fibroblasts and macrophages. Soluble IL-6RA α , which consists of only the extracellular domain of the IL-6RA α chain, acts as an agonist of IL-6 activity at low concentrations. The CHO cell-derived Recombinant Human sIL-6 Receptor Alpha is a 37.9 kDa glycoprotein corresponding to 339 amino acid residues of the extracellular domain of IL-6RA α . 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 Info

Amount : 5 μ g / 20 μ g

Purification : Purity: \geq 95% by SDS-PAGE gel and HPLC analyses.

Content : This recombinant protein is supplied in lyophilized form.

Amino Acid : LAPRRCPAQE VARGVLTSLP GDSVLTCPG VEPEDNATVH WVLRKPAAGS HPSRWAGMGR
RLLRSVQLH DSGNYSCYRA GRPAGTVHLL VDPVPEEPQL SCFRKSPLSN VVCEWGPRST PSLTTKAVLL
VRKFQNSPAE DFQEQCQYSQ ESQKFSCQLA VPEGDSSFYI VSMCVASSVG SKFSKTQTFQ GCGILQPDPP
ANITVTAVAR NPRWLSVTWQ DPHSWNSSFY RLR FELRYRA ERSKTFTTW M VKDLQHHCVI
HDAWSGLRHV VQLRAQEEFG QGEWSEWSPE AMGTPWTESR SPPAENEVST PMQALTTNKD
DDNILFRDSA NATSLPVQD

Application Note

Determined by its ability to intensify the IL-6 induced growth inhibition of mouse M1 cells. The expected ED₅₀ is \leq 5.0 ng/ml, in the presence of 20 ng/ml of rhIL-6.