

32-20616: Recombinant Human sIL-6 Receptor Alpha (HEK293 derived)(Discontinued)

Reactivity : Human, Mouse, Rat

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

Description

Source:HEK293 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. Recombinant Human sIL-6RA α is a 37.6 kDa protein consisting of the extracellular domain of the IL-6RA α chain (339 amino acid residues).

Product Info

Amount : 5 μ g / 20 μ g

Purification : Purity: \geq 98% by SDS-PAGE gel and HPLC analyses.

Content : This recombinant protein is supplied in lyophilized form.

Amino Acid : LAPRRCPAQE VARGVLTSLP GDSVTLTCPG VEPEDNATVH WVLRKPAAGS HPSRWAGMGR
RLLLRSVQLH DSGNYSCYRA GRPAGTVHLL VDVPEEPQL SCFRKSPLSN VVCEWGPRST PSLTTKAVLL
VRKFQNSPAE DFQEPCQYSQ ESQKFSCQLA VPEGDSSFYI VSMCVASSVG SKFSKTQTFQ GCGILQPDPP
ANITVTAVAR NPRWLSVTWQ DPHSWNSSFY RLRFELRYRA ERSKTFTTWM VKDLQHHCVI
HDAWSGLRHV VQLRAQEEFG QGEWSEWSPE AMGTPWTESR SPPAENEVST PMQALTTNKD
DDNILFRDSA NATSLPVQD

Application Note

The ED_{50} 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.