

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-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-6RAlpha is a 37.6 kDa protein consisting of the extracellular domain of the IL-6RAlpha chain (339 amino acid residues).

Product Info

Amount : 5 µg / 20 µg

Purification : Purity: >= 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
RLLLRVQLH DSGNYSCYRA GRPAGTVHLL VDVPEEPQL SCFRKSPLSN VVCEWGPRST PSLTTKAVLL
VRKFQNSPAE DFQEPCQYSQ ESQKFSCQLA VPEGDSSFYI VSMCVASSVG SKFSKTQTFQ GCGILQPDP
ANITVTAVAR NPRWLSVTWQ DPHSWNSSFY RLFELRYRA ERSKTFTTWM VKDLQHHCVI
HDAWSGLRHV VQLRAQEEFG QGEWSEWSPE AMGTPWTESR SPPAENEVST PMQALTTNKD
DDNILFRDSA NATSLPVQD

Application Note

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.