

32-6435: sIL6R Human, Sf9

Application :	Functional Assay
Alternative Name :	IL6R-alpha, CD126, IL-6R 1, CD126 antigen, IL6RA, Interleukin 6 receptor, Interleukin 6 receptor alpha subunit, Interleukin-6 receptor alpha chain precursor, B cell stimulatory factor-2, Membrane glycoprotein 80, gp80, IL-6R, MGC104991.

Description

Source: Sf9, Baculovirus cells.

Sterile filtered colorless solution.

The IL-6 receptor complex is composed of two membrane glycoproteins: the low affinity receptor and the signaltransducing component. The soluble form of IL6R is found in the urine of healthy adult humans and the serum of HIV positive individuals, as well as in the cell culture supernatants of stimulated PBMC's. This soluble form of IL6R results from either proteolytic cleavage from the membrane, or an isoform derived splice variant.

sIL6R produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain (20-365 a.a.) and fused to a 9 aa His Tag at C-terminus containing a total of 355 amino acids and having a molecular mass of 39.6kDa. sIL6R shows multiple bands between 40-57kDa on SDS-PAGE, reducing conditions and purified by proprietary chromatographic techniques.

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	sIL6R protein solution (0.25mg/ml) contains 10% glycerol & Phosphate buffered saline (pH7.4).
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid :	ADPLAPRRCP AQEVARGVLT SLPGDSVTLT CPGVEPEDNA TVHWVLRKPA AGSHPSRWAG MGRRLLLRSV QLHDSGNYSC YRAGRPAQTV HLLVDVPPEE PQLSCFRKSP LSNVVCEWGP RSTPSLTTKA VLLVRKFQNS PAEDFQPCQ YSQESQKFSC QLAVPEGDSS FYIVSMCVASSVGSKFSKTQ TFQGCGLQP DPPANITVTA VARNPRWLSV TWQDPHSWNS SFYRLRFELR YRAERSKTFT TWMVKDLQHH CVIHDAWSGL RHVQLRAQE EFGQGEWSEW SPEAMGTPWT ESRPPAENE VSTPMQALTT NKDDDNILFR DSANATSLPV QDSSSVPLPH HHHHH

Application Note

Measured by its ability to inhibit proliferation using M1 mouse myeloid leukemia cells. The ED50 range <= 20 ng/ml with Human IL-6.