
Product Data Sheet

Product Name: sIL6R Human, Sf9

Cat. No.: GP20527

Batch No.: 1

Product Data

Purity >98% Source Sf9, Baculovirus cells.

Physical Appearance solid Shipping Condition Shipped with Ice Packs.

Synonyms 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.

Amino Acid Sequence
 ADPLAPRRCP AQEVARGVLT SLPGDSVTLT CPGVEPEDNA TVHWVLRKPA
 AGSHPSRWAG MGRRLLLRSV QLHDSGNYSY YRAGRPA GTV HLLVDVPPEE
 PQLSCFRKSP LSNVVCEWGP RSTPSLTTKA VLLVRKFQNS PAEDFQEP CQ
 YSQESQKFSC QLAVPEGDSS FYIVSMCVASSVGSKFSKTQ TFQGC GILQP
 DPPANITVTA VARNPRWLSV TWQDPHSWNS SFYRLRFELR YRAERSKTFT
 TWMVKDLQHH CVIHDAWSGL RHVVQLRAQE EFGQGEWSEW SPEAMGTPWT
 ESRSPPAENE VSTPMQALTT NKDDDNILFR DSANATSLPV QDSSSVPLPH
 HHHHH

Formulation sIL6R protein solution (0.25mg/ml) contains 10% glycerol & Phosphate buffered saline (pH7.4).

Introduction

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.

Stability

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%

Caution: Product has not been fully validated for medical applications. For research use only.

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HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

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.

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