

Recombinant Full Length Human IL6R Protein, GST-tagged

Cat. No. IL6R-5692HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human IL6R full-length ORF (NP_000556.1, 1 a.a. - 468 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	468 amino acids
Description	Interleukin 6 (IL6) is a potent pleiotropic cytokine that regulates cell growth and differentiation and plays an important role in immune response. The protein encoded by this gene is a subunit of the receptor complex for IL6. The IL6 receptor is a protein complex consisting of this protein and interleukin 6 signal transducer (IL6ST/GP130/IL6-beta), a receptor subunit also shared by many other cytokines. Dysregulated production of IL6 and this receptor are implicated in the pathogenesis of many diseases, such as multiple myeloma, autoimmune diseases and prostate cancer. Alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq]
Molecular Mass	77.9 kDa
AA Sequence	MLAVGCALLAALLAAPGAALAPRRCPAQEVARGVLTSLPGDSVTLTCPGVEPEDNA TVHWVLRKPAAGSHPSRWAGMGRRLLLRSVQLHDSGNYSYRAGRPAAGTVHLLV DVPPEEPQLSCFRKSPLSNVVCEWGPRSTPSLTTKAVLLVRKFQNSPAEDFQEPCQ YSQESQKFSCQLAVPEGDSSFYIVSMCVASSVGSKFSKTQTFQGCGLQPDPPANIT

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VTAVARNPRWLSVTWQDPHSWNSSFYRLRFELRYRAERSKTFTTWMVKDLQHHC
 VIHDAWSGLRHVVQLRAQEEFGQGEWSEWSPEAMGTPWTESRSPAENEVSTPM
 QALTTNKDDDNILFRDSANATSLPVQDSSSVPLPTFLVAGGSLAFGTLLCIAIVLRFKK
 TWKLRLALKEGKTSMHPPYSLGQLVPERPRPTPVLVPLISPPVSPSSLGSDNTSSSHNR
 PDARDPRSPYDISNTDYFFPR

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

IL6R interleukin 6 receptor [[Homo sapiens](#)]

Official Symbol

[IL6R](#)

Synonyms

IL6R; interleukin 6 receptor; interleukin-6 receptor subunit alpha; CD126; IL-6R 1;
 CD126 antigen; membrane glycoprotein 80; IL-6 receptor subunit alpha; gp80; IL6RA;
 IL-6RA; IL-6R-1; MGC104991;

Gene ID

[3570](#)

mRNA Refseq

[NM_000565](#)

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Protein Refseq	NP_000556
MIM	147880
UniProt ID	P08887

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