

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	<p>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</p>
Molecular Mass	77.9 kDa
AA Sequence	<p>MLAVGCALLAALLAAPGAALAPRRCPAQEVARGVLTSLPGDSVTLTCTPGVEPEDNA TVHWVLRKPAAGSHPSRWAGMGRLLLLRSVQLHDSGNYSYRAGRPAAGTVHLLV DVPPEEPQLSCFRKSPLSNVVCEWGPRSTPSLTTKAVLLVRKFQNSPAEDFQEPCQ YSQESQKFSCQLAVPEGDSSFYIVSMCVASSVGSKFSKTQTFQGCILQPDPPANIT</p>

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VTAVARNPRWLSVTWQDPHSWNSSFYRLRFELRYRAERSKTFTTWVMKDLQHHC
 VIHDAWSGLRHVVQLRAQEEFGQGEWSEWSPEAMGTPWTESRSPPAENEVSTPM
 QALTTNKDDDNILFRDSANATSLPVQDSSSVPLPTFLVAGGSLAFGTLLCIAIVLRFKK
 TWKLRALKEGKTSMHPPYSLGQLVPERPRPTPVLVPLISPPVSPSSLGSDNTSSHNR
 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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