

# Recombinant Human IL6R Protein

**Cat. No.** IL6R-5175H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human IL6R full-length ORF (NP_000556.1) recombinant protein without tag.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	<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>
<b>Form</b>	Liquid
<b>Molecular Mass</b>	51.5 kDa
<b>AA Sequence</b>	<p>MLAVGCALLAALLAAPGAALAPRRCPAQEVARGVLTSLPGDSVTLTCPGVEPEDNA  TVHWVLRKPAAGSHPSRWAGMGRLLLLRSVQLHDSGNYSYRAGRPAAGTVHLLV  DVPPEEPQLSCFRKSPNSNVVCEWGRSTPSLTTKAVLLVRKFQNSPAEDFQEPCCQ  YSQESQKFSCQLAVPEGDSSFYIVSMCVASSVGSKFSKTQTFQGCILQPDPPANIT  VTAVARNPRWLSVTWQDPHSWNSSFYRLRFELRYRAERSKTFTTWMVKDLQHHC</p>

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VIHDAWSGLRHVVQLRAQEFGQGEWSEWSPEAMGTPWTESRSPPAENEVSTPM  
 QALTTNKDDDDNILFRDSANATSLPVQDSSSVPLPTFLVAGGSLAFGTLLCIAIVLRFKK  
 TWKLRALKEGKTSMHPPYSLGQLVPERPRPTPVLVPLISPPVSPSSLGSDNTSSHNR  
 PDARDPRSPYDISNTDYFFPR

<b>Applications</b>	Antibody Production Functional Study Compound Screening
<b>Usage</b>	Heating may cause protein aggregation. Please do not heat this product before electrophoresis.
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	25 mM Tris-HCl of pH8.0 containing 2% glycerol.

## GENE INFORMATION

<b>Gene Name</b>	IL6R interleukin 6 receptor [ Homo sapiens ]
<b>Official Symbol</b>	IL6R
<b>Synonyms</b>	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;
<b>Gene ID</b>	3570
<b>mRNA Refseq</b>	NM_000565

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**Protein Refseq** [NP\\_000556](#)

**MIM** [147880](#)

**UniProt ID** [P08887](#)

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