

Recombinant Human IL6R Protein

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

SPECIFICATION

Product Overview	Human IL6R full-length ORF (NP_000556.1) recombinant protein without tag.
Species	Human
Source	Wheat Germ
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]
Form	Liquid
Molecular Mass	51.5 kDa
AA Sequence	MLAVGCALLAALLAAPGAALAPRRCPAQEVARGVLTSLPGDSVTLTCTPGVEPEDNA TVHWVLRKPAAGSHPSRWAGMGRRLLLRSVQLHDSGNYSYRAGRPAAGTVHLLV DVPPEEPQLSCFRKSPLSNVCEWGRSTPSLTTKAVLLVRKFQNSPAEDFQEPCQ YSQESQKFSCQLAVPEGDSSFYIVSMCVASSVGSKFSKTQTFQGCILQPDPPANIT VTAVARNPRWLSVTWQDPHSWNSSFYRLRFELRYRAERSKTFTTWMVKDLQHHC

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VIHDAWSGLRHVVQLRAQEEFGQGEWSEWSPEAMGTPWTESRSPPAENEVSTPM
 QALTTNKDDDDNILFRDSANATSLPVQDSSSVPLPTFLVAGGSLAFGTLLCIAIVLRFKK
 TWKLRLALKEGKTSMHPPYSLGQLVPERPRPTPVLVPLISPPVSPSSLGSDNTSSHNR
 PDARDPRSPYDISNTDYFFPR

Applications	Antibody Production Functional Study Compound Screening
Usage	Heating may cause protein aggregation. Please do not heat this product before electrophoresis.
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	25 mM Tris-HCl of pH8.0 containing 2% glycerol.

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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