

Recombinant Human IL6R Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. IL6R-3837H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	IL6R MS Standard C13 and N15-labeled recombinant protein (NP_000556) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a subunit of the interleukin 6 (IL6) receptor complex. Interleukin 6 is a potent pleiotropic cytokine that regulates cell growth and differentiation and plays an important role in the immune response. 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. A pseudogene of this gene is found on chromosome 9.
Molecular Mass	51.5 kDa
AA Sequence	MLAVGCALLAALLAAPGAALAPRRCPAQEVARGVLTSLPGDSVTLTCPGVEPEDNA TVHWVLRKPAAGSHPSRWAGMGRLLLLRSVQLHDSGNYSYRAGRPAAGTVHLLV DVPPEEPQLSCFRKSPNSNVCEWGRSTPSLTTKAVLLVRKFQNSPAEDFQEPCQ YSQESQKFSCQLAVPEGDSSFYIVSMCVASSVGSKFSTQTFQGGILQPDPPANIT

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VTAVARNPRWLSVTWQDPHSWNSSFYRLRFELRYRAERSKTFTTWVMVKDLQHHC
 VIHDAWSGLRHVVQLRAQEEFGQGEWSEWSPEAMGTPWTESRSPPAENEVSTPM
 QALTTNKDDDNILFRDSANATSLPVQASSSVPLPTFLVAGGSLAFGTLLCIAIVLRFKK
 TWKLRALKEGKTSMHPPYSLGQLVPERPRPTPVLVPLISPPVSPSSLGSDNTSSHNR
 PDARDPRSPYDISNTDYFFPRTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

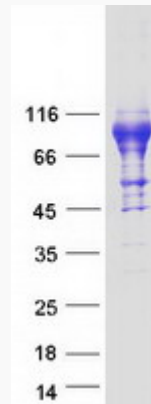
Gene Name	IL6R interleukin 6 receptor [Homo sapiens (human)]
Official Symbol	IL6R
Synonyms	IL6R; interleukin 6 receptor; interleukin-6 receptor subunit alpha; CD126; IL-6R 1; CD126 antigen; membrane glycoprotein 80; IL-6 receptor subunit alpha; gp80; IL6RA; IL-6RA; IL-6R-1; MGC104991;
Gene ID	3570
mRNA Refseq	NM_000565

Protein Refseq NP_000556

MIM 147880

UniProt ID P08887

SDS-PAGE



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