

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

Cat. No. IL6R-2768H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	IL6R MS Standard C13 and N15-labeled recombinant protein (NP_852004) 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	40.2 kDa
AA Sequence	MLAVGCALLAALLAAPGAALAPRRCPAQEVARGVLTSLPGDSVTLTCPGVEPEDNA TVHWVLRKPAAGSHPSRWAGMGRLLLRVQLHDSGNYSYRAGRPAAGTVHLLV DVPPEEPQLSCFRKSPLSNVVCEWGRSTPSLTTKAVLLVRKFQNSPAEDFQEPCQ YSQESQKFSCQLAVPEGDSSFYIVSMCVASSVGSKFSKTQTFQGCILQPDPPANIT

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VTAVARNPRWLSVTWQDPHSWNSSFYRLRFELRYRAERSKTFTTWMVKDLQHHC
 VIHDAWSGLRHVVQLRAQEEFGQGEWSEWSPEAMGTPWTESRSPPAENEVSTPM
 QALTTNKDDDNILFRDSANATSLPGSRRRGSCGLTRTRPLEQKLISEEDLAANDILDY
 KDDDDKV

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_181359

Protein Refseq NP_852004

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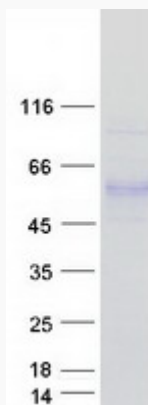
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MIM 147880

UniProt ID P08887

SDS-PAGE



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