

Recombinant Human IL6R Protein, C13 and N15 Labeled

Cat. No. IL6R-517H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	C13 and N15 Labeled Recombinant human IL6R protein
Species	Human
ProteinLength	468
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 identified in this gene. A pseudogene of this gene is found on chromosome 9.
Form	Lyophilized
AA Sequence	MLAVGCALLAALLAAPGAALAPRRCPAQEVARGVLTSLPGDSVTLTCPGVEPEDNA TVHWVLRKPAAGSHPSRWAGMGRLLLRVQLHDSGNYSCYRAGRPAAGTVHLLV DVPPEEPQLSCFRKSPLSNVCEWGPRSTPSLTTKAVLLVRKFQNSPAEDFQEPCQ YSQESQKFSCQLAVPEGDSSFYIVSMCVASSVGSKFSKTQTFQGCILQPDPPANIT VTAVARNPRWLSVTWQDPHSWNSSFYRLRFELRYRAERSKTFTTWMVKDLQHHC VIHDAWSGLRHVVQLRAQEEFGQGEWSEWSPEAMGTPWTESRSPAENEVSTPM

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

QALTTNKDDDNILFRDSANATSLPVQDSSSVPLPTFLVAGGSLAFGTLLCIAIVLRFKK
TWKLRALKEGKTSMHPPYSLGQLVPERPRPTPVLVPLISPPVSPSSLGSDNTSSHNR
PDARDPRSPYDISNTDYFFPR

Purity > 98%

Applications WB; ELISA; FACS; FC

Stability This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

Storage At -20 centigrade.

Storage Buffer PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

Reconstitution Reconstitute in sterile distilled H₂O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

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;

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Gene ID	3570
mRNA Refseq	NM_000565
Protein Refseq	NP_000556
MIM	147880
UniProt ID	P08887

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