

Active Recombinant Human IL6R Protein

Cat. No. IL6R-235I **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL6R Protein without tag was expressed in CHO.
Species	Human
Source	CHO
Description	Interleukin-6 Receptor Alpha, also known as IL-6RA, IL-6R1 and CD126, belongs to the type I cytokine receptor family. It is mainly expressed on T cells, fibroblasts and macrophages. IL-6RA couples with gp130 to form the IL-6 receptor; IL-6RA binds specifically to IL-6 and depends on gp130 to transmit signals. IL-6RA dysfunction has been correlated with the pathogenesis of many diseases, such as multiple myeloma, autoimmune diseases and prostate cancer. Soluble IL-6RA, which consists of only the extracellular domain of IL-6RA, acts as an agonist of IL-6 activity.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-activity	ED50 < 0.2 µg/mL, measured in a cell proliferation assay using M1 cells in the presence of 10 ng/mL human IL-6.
Molecular Mass	54-56 kDa, observed by reducing SDS-PAGE.
AA Sequence	LAPRRCPAQEVARGVLTSLPGDSVTLTCPGVEPEDNATVHWVLRKPAAGSHPSRW AGMGRRLLLRSVQLHDSGNYSYRAGRPAAGTVHLLVDVPPEEPQLSCFRKSPLSN VVCEWGPRSTPSLTTKAVLLVRKFQNSPAEDFQEPCQYSQESQKFSCQLAVPEGD SSFYIVSMCVASSVGSKFSKTQTFQGCILQPDPPANITVTAVARNPRWLSVTWQD

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PHSWNSSFYRLRFELRYRAERSKTFTTWMVKDLQHHCVIHDAWSGLRHVVQLRAQ
EEFGQGEWSEWSPEAMGTPWTESRSPPAENEVSTPMQALTTNKDDDNLFRDSAN
ATSLPVQDSSSVPLP

Endotoxin < 0.2 EU/μg, determined by LAL method.

Purity > 95% as analyzed by SDS-PAGE and HPLC.

Storage Lyophilized recombinant Human Interleukin-6 Receptor Alpha remains stable up to 6 months at -80 centigrade from date of receipt. Upon reconstitution, Human Interleukin-6 Receptor Alpha should be stable up to 1 week at 4 centigrade or up to 2 months at -20 centigrade.

Storage Buffer Lyophilized after extensive dialysis against PBS.

Reconstitution Reconstituted in ddH₂O or PBS at 100 μg/mL.

GENE INFORMATION

Gene Name IL6R interleukin 6 receptor [Homo sapiens (human)]

Official Symbol IL6R

Synonyms IL6R; interleukin 6 receptor; IL6Q; gp80; CD126; HIES5; IL-6R; IL6RA; IL6RQ; IL-1Ra; IL-6RA; IL6QTL; IL-6R-1; interleukin-6 receptor subunit alphaCD126 antigenIL-6 receptor subunit alphamembrane glycoprotein 80

Gene ID 3570

mRNA Refseq NM_000565

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Protein Refseq	NP_000556
MIM	147880
UniProt ID	P08887

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