Active Recombinant Human IL6R, MIgG2a Fc-tagged

Cat. No. IL6R-200H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The extracellular domain of human IL-6R (NP_000556.1)(Leu20-Ser359) is fused to the N-terminus of the Fc region of mouse IgG2a was expressed in CHO celL
Species	Human
Source	CHO
ProteinLength	20-359 a.a.
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
Form	Lyophilized from 0.2μm-filtered solution in PBS.
Bio-activity	Measured by its ability to enhance the IL-6 activity on M1 mouse myeloid leukemia cells.
Molecular Mass	68 KDa (monomer)

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AA Sequence	Leu20-Ser359
Endotoxin	<0.06 eu/μg="" as="" determined="" by="" lal="" test.="">
Purity	>98%, by SDS-PAGE under reducing conditions.
Stability	Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.
Reconstitution	Reconstitute at 100μg/ml in sterile PBS.
Warning	Avoid freeze/thaw cycles.

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
Protein Refseq	NP_000556
MIM	147880

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UniProt ID	P08887
Chromosome Location	1q21
Pathway	Cytokine Signaling in Immune system, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Hematopoietic cell lineage, organism-specific biosystem; Hematopoietic cell lineage, conserved biosystem; IL-6 Signaling Pathway, organism-specific biosystem; IL6-mediated signaling events, organism-specific biosystem;
Function	ciliary neurotrophic factor binding; contributes_to ciliary neurotrophic factor receptor activity; enzyme binding; interleukin-6 binding; contributes_to interleukin-6 receptor activity; contributes_to interleukin-6 receptor binding; protein binding; prote

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