

## Active Recombinant Mouse IL6RA, MIgG2a Fc-tagged

Cat. No. Il6ra-001M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	The extracellular domain of mouse IL-6R (CAA37810.1) (Leu20-Glu357) is fused to the N-terminus of the Fc region of a mouse IgG2a was expressed in CHO cell.
<b>Species</b>	Mouse
<b>Source</b>	CHO
<b>ProteinLength</b>	20-357 a.a.
<b>Description</b>	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
<b>Form</b>	Lyophilized from 0.2µm-filtered solution in PBS.
<b>Bio-activity</b>	Measured by its binding ability in a functional ELISA.
<b>Molecular Mass</b>	64KDa (monomer)

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<b>AA Sequence</b>	Leu20-Glu357
<b>Endotoxin</b>	<0.06 eu/μg="" as="" determined="" by="" lal="">
<b>Purity</b>	>98%, by SDS-PAGE under reducing conditions.
<b>Stability</b>	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.
<b>Reconstitution</b>	Reconstitute at 100μg/ml in sterile PBS.
<b>Warning</b>	Avoid freeze/thaw cycles.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Il6ra interleukin 6 receptor, alpha [ Mus musculus ]</a>
<b>Official Symbol</b>	Il6ra
<b>Synonyms</b>	IL6RA; interleukin 6 receptor, alpha; interleukin-6 receptor subunit alpha; IL-6RA; IL-6R 1; IL-6R-alpha; IL-6R subunit alpha; IL-6 receptor alpha chain; IL-6 receptor subunit alpha; Il6r; CD126; IL-6R; MGC30256;
<b>Gene ID</b>	<a href="#">16194</a>
<b>mRNA Refseq</b>	<a href="#">NM_010559</a>
<b>Protein Refseq</b>	<a href="#">NP_034689</a>
<b>Pathway</b>	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Hematopoietic cell lineage,

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organism-specific biosystem; Hematopoietic cell lineage, conserved biosystem; IL-6 signaling Pathway, organism-specific biosystem; Jak-STAT signaling pathway, organism-specific biosystem; Jak-STAT signaling pathway, conserved biosystem;

**Function**

ciliary neurotrophic factor binding; cytokine receptor activity; enzyme binding; interleukin-6 binding; interleukin-6 binding; interleukin-6 receptor activity; interleukin-6 receptor activity; protein homodimerization activity; receptor activity;

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