

Active Recombinant Mouse IL6RA, MlgG2a Fc-tagged

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

SPECIFICATION

Product Overview	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.
Species	Mouse
Source	CHO
ProteinLength	20-357 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 binding ability in a functional ELISA.
Molecular Mass	64KDa (monomer)

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AA Sequence	Leu20-Glu357
Endotoxin	<0.06 eu/μg="" as="" determined="" by="" lal="">
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	Il6ra interleukin 6 receptor, alpha [<i>Mus musculus</i>]
Official Symbol	Il6ra
Synonyms	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;
Gene ID	16194
mRNA Refseq	NM_010559
Protein Refseq	NP_034689
Pathway	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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