

Active Recombinant Human IL6, MIgG2a Fc-tagged, mutant

Cat. No. IL6-314H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The extracellular domain of mouse IL-6 (NP_112445.1)(Met1-Thr211) is fused to the N-terminus of the Fc region of a mutant mouse IgG2a was expressed in CHO cell.
Species	Mouse
Source	CHO
ProteinLength	1-211 a.a.
Description	This gene encodes a cytokine that functions in inflammation and the maturation of B cells. In addition, the encoded protein has been shown to be an endogenous pyrogen capable of inducing fever in people with autoimmune diseases or infections. The protein is primarily produced at sites of acute and chronic inflammation, where it is secreted into the serum and induces a transcriptional inflammatory response through interleukin 6 receptor, alpha. The functioning of this gene is implicated in a wide variety of inflammation-associated disease states, including susceptibility to diabetes mellitus and systemic juvenile rheumatoid arthritis.
Form	Lyophilized from 0.2µm-filtered solution in PBS.
Bio-activity	Measured by the dose-dependent stimulation of the proliferation of IL-6 dependent mouse 7TD1 cells
Molecular Mass	51KDa

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AA Sequence	Met1-Thr211
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	IL6 interleukin 6 [<i>Mus musculus</i>]
Official Symbol	IL6
Synonyms	IL6; interleukin 6; interleukin-6; interleukin HP-1; B-cell hybridoma growth factor; IL-6;
Gene ID	16193
mRNA Refseq	NM_031168
Protein Refseq	NP_112445
Pathway	Adipogenesis, organism-specific biosystem; African trypanosomiasis, organism-specific biosystem; African trypanosomiasis, conserved biosystem; Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem; Chagas disease (American

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trypanosomiasis), organism-specific biosystem;

Function

cytokine activity; cytokine activity; growth factor activity; interleukin-6 receptor binding; interleukin-6 receptor binding; protein binding; receptor binding;

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