

Active Recombinant Human IL6,HIgG1 Fc-tagged, mutant

Cat. No. IL6-312H Lot. No. (See product label)

SPECIFICATION

Product Overview	The extracellular domain of human IL-6 (NP_000591.1)(Val30-Met212) is fused to the N-terminus of the Fc region of a mutant human IgG1was expressed in CHO cell
Species	Human
Source	CHO
ProteinLength	30-212 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	47 KDa (monomer)

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AA Sequence	Val30-Met212
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	IL6 interleukin 6 (interferon, beta 2) [Homo sapiens]
Official Symbol	IL6
Synonyms	IL6; interleukin 6 (interferon, beta 2); IFNB2; interleukin-6; BSF2; HGF; HSF; IL 6; CDF; BSF-2; IFN-beta-2; interferon beta-2; interleukin BSF-2; hybridoma growth factor; CTL differentiation factor; B-cell stimulatory factor 2; B-cell differentiation factor; IL-6;
Gene ID	3569
mRNA Refseq	NM_000600
Protein Refseq	NP_000591
MIM	147620

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UniProt ID	P05231
Chromosome Location	7p21-p15
Pathway	ATF-2 transcription factor network, organism-specific biosystem; 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;
Function	cytokine activity; cytokine activity; growth factor activity; interleukin-6 receptor binding; contributes_to interleukin-6 receptor binding; interleukin-6 receptor binding;

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