

Active GMP Recombinant Human IL6 Protein

Cat. No. IL6-01HG Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human IL6 protein, was expressed in CHO-K1 cell-derived in an animal component free process under cGMP guidelines.
Species	Human
Source	CHO
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. Elevated levels of the encoded protein have been found in virus infections, including COVID-19 (disease caused by SARS-CoV-2).
Form	Lyophilized powder
Endotoxin	<20 EU/mg
Bio-activity	>1.0 x 10 ⁷ IU/mg
Purity	>95.0% by high performance liquid chromatography (SEC-HPLC) and SDS-PAGE.

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Storage Buffer	10mM Phosphate-Buffered Saline (pH 7.2)
Storage	Stable storage at 4°C for 7-10 days; for long-term storage, please store at -20°C after dispensing.
Sterility	Sterility
Instructions	It is recommended that lyophilized GMP rhIL6 be dissolved in water for injection or sterilized ultrapure water at a concentration of not less than 100 µg/ml, pending further dilution to working concentration.

GENE INFORMATION

Gene Name	IL6 interleukin 6 [Homo sapiens (human)]
Official Symbol	IL6
Synonyms	CDF; HGF; HSF; BSF2; IL-6; BSF-2; IFNB2; IFN-beta-2
Gene ID	3569
mRNA Refseq	NM_000600.5
Protein Refseq	NP_000591.1
UniProt ID	P05231
MIM	147620

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