

Active Recombinant Human IL6 Protein

Cat. No. IL6-068H Lot. No. (See product label)

SPECIFICATION

Product Overview	The mature recombinant human IL-6 protein consists of 184 amino acids without tag was expressed in E. coli.
Species	Human
Source	E.coli
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).
Bio-activity	Measured in a cell proliferation assay using T1165.85.2.1 mouse plasmacytoma cells. The ED50 for this effect is 0.2-0.8 ng/mL.
Molecular Mass	21.3 kDa
Endotoxin	< 0.1 EU/μg of the protein as determined by the LAL method

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Purity	> 95 % as determined by SDS-PAGE
Storage	At -80 centigrade. Avoid repeated freeze-thaw cycles.
Storage Buffer	PBS

GENE INFORMATION

Gene Name	IL6 interleukin 6 [Homo sapiens (human)]
Official Symbol	IL6
Synonyms	IL6; interleukin 6; CDF; HGF; HSF; BSF2; IL-6; BSF-2; IFNB2; IFN-beta-2; interleukin-6; Names; B-cell differentiation factor; B-cell stimulatory factor 2; CTL differentiation factor; hybridoma growth factor; interferon beta-2; interleukin BSF-2
Gene ID	3569
mRNA Refseq	NM_000600
Protein Refseq	NP_000591
MIM	147620
UniProt ID	Q75MH2

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