

Recombinant Human IL6, His-tagged

Cat. No. IL6-323H Lot. No. (See product label)

SPECIFICATION

Product Overview	Total 193 AA. MW: 22.05 kDa (calculated). N-Terminal His-tag, 10 extra AA (highlighted).
Species	Human
Source	E.coli
Description	Interleukin-6 is a multi-functional cytokine that regulates immune responses, acute phase reactions and hematopoiesis, and it may play a central role in host defense mechanisms. IL-6 is usually not produced constitutively by normal cells, but its expression is readily induced by a variety of cytokines, lipopolysaccharide or viral infections.
Form	Filtered (0,4 µm) and lyophilized in 0.5 mg/mL in 20mM TRIS, 50mM NaCl, pH 7.5.
Research topic	Cytokines and chemokines and related molecules, Energy metabolism and body weight regulation.
Reconstitution	Add deionized water to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.
Applications	Western blotting
Quality Control Test	BCA to determine quantity of the protein; SDS PAGE to determine purity of the

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 45-1 Ramsey Road, Shirley, NY 11967, USA

protein.

Sequences of amino acids

MKHHHHHHAS VPPGEDSKDV AAPHRQLPTS SERIDKQIRY ILDGISALRK
 ETCNKSNMCE SSKEALAENN LNLPKMAEKD GCFQSGFNEE TCLVKIITGL
 LEFEVYLEYL QNRFESSEEQ ARAVQMSTKV LIQFLQKKAK NLDAITTPDP
 TTNASLLTKL QAQNQWLQDM TTHLILRSFK EFLQSSLRAL RQM

Storage

Store lyophilized protein at -20°C. Lyophilized protein remains stable until the expiry date when stored at -20°C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80°C for long term storage. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after one week at 4°C.

GENE INFORMATION

Gene Name

[IL6 interleukin 6 \(interferon, beta 2\) \[Homo sapiens \]](#)

Official Symbol

[IL6](#)

Synonyms

IL6; interleukin 6 (interferon, beta 2); IFN-beta-2; IL-6; BSF2; BSF-2; HGF; HSF; IFNB2; CDF; Hybridoma growth factor; Interferon beta-2; B-cell stimulatory factor 2; B cell stimulatory factor-2; B-cell differentiation factor; interleukin BSF-2; interleukin-6; CTL differentiation factor; OTTHUMP00000158544; OTTHUMP00000198486; OTTHUMP00000198490

Gene ID

[3569](#)

mRNA Refseq

[NM_000600](#)

Protein Refseq

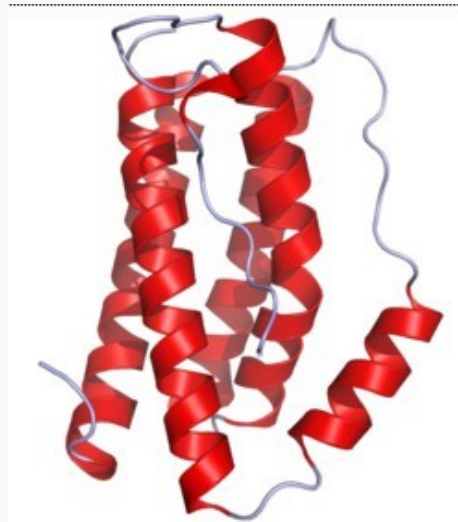
[NP_000591](#)

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MIM	147620
UniProt ID	P05231
Chromosome Location	7q21
Pathway	African trypanosomiasis; Cytokine-cytokine receptor interaction; Graft-versus-host disease; Intestinal immune network for IgA production
Function	cytokine activity; growth factor activity; nterleukin-6 receptor binding; contributes to interleukin-6 receptor binding; interleukin-6 receptor binding

IL6 Crystal Structure

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