

IL6 active protein

IL6 protein

CATALOG # AAA75428	HOST Human
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PRODUCT SYNONYMS

IL6; IL6 protein; HPGF protein; IL-6 protein; IL-6; BCDF protein; 26 kDa protein protein; B cell differentiation factor protein; IFN-lambda2 protein; IL 6 protein; BSF-2 protein; IL 6; Interleukin 6 protein; MGI-2 protein; HSF protein; IL6 active protein

PRODUCT SPECIFICATIONS

Host	Human
Purity/Purification	> 98% pure
Form/Format	Lyophilized from 10mM Na3PO4, pH 7.5. Reconstitute with distilled water to a concentration of 0.1 - 0.5 mg/ml.
Sequence	Region of IL6 protein in response to amino acids PVPPGED SKDVAAPHRQ PLTSSERIDK QIRYILDGIS ALRKETCNKS NMCESSKEAL AENNLNLPKM AEKDGCFQSG FNEETCLVKI ITGLLEFEVY LEYLQNRFS SEEQARAVQM STKVLIQFLQ KKAKNLDAIT TPDPTTNASL LTKLQAQNQW LQDMTTHLIL RSFKEFLQSS LRALRQM.
Sequence Length	212
Protein Type	Recombinant
Biological Significance	IL6 is a pleiotropic cytokine that plays an important role in host defense by regulating immune and inflammatory responses. Produced by T cells, monocytes, fibroblasts, endothelial cells and keratinocytes, IL6 has diverse biological functions. It stimulates B-cell differentiation and antibody production, synergizes with IL3 in megakaryocyte development and platelet production, induces expression of hepatic acute-phase proteins, and regulates bone metabolism. IL6 signals through the IL6 receptor system that consists of two chains, IL6R a and gp130. Mouse IL6 is inactive on human cells, while both human and Mouse are equally active on Mouse cells.
Bioactivity	The ED50 as determined by the dose-dependent stimulation of the proliferation of IL-6 dependent Mouse 7TD1 cells is approximately 0.1 ng/ml, corresponding to a specific activity of approximately 1×10^7 units/mg.
Endotoxin Levels	Endotoxin level is less than 0.1 ng per ug (1 EU/ug).
Expression System	E Coli
Preparation and Storage	Store at 4 degree C until reconstitution. Following reconstitution aliquot and freeze at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for IL6 active protein	Purified recombinant Human IL6 protein
Product Categories/Family for IL6 active protein	Cytokines & Growth Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	10834984
NCBI GeneID	3569

NCBI Accession #	NP_000591.1
NCBI GenBank Nucleotide #	NM_000600.3
UniProt Accession #	P05231; Q9UCU2; Q9UCU3; Q9UCU4
Molecular Weight	20.9 kDa
NCBI Official Full Name	interleukin-6
NCBI Official Synonym Full Names	interleukin 6
NCBI Official Symbol	IL6
NCBI Official Synonym Symbols	HGF; HSF; BSF2; IL-6; IFNB2
NCBI Protein Information	interleukin-6
UniProt Protein Name	Interleukin-6
UniProt Gene Name	IL6
UniProt Synonym Gene Names	IFNB2; IL-6; BSF-2; CDF; IFN-beta-2
UniProt Entry Name	IL6_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-active-protein/il6/75428>