

Interleukin 6 Active Protein | IL6 active protein

Interleukin 6, 30-212aa, Human, His tag, E Coli (Bioactivity Validated)

CATALOG # AAA48546	HOST E Coli	APPLICATIONS SDS-Page
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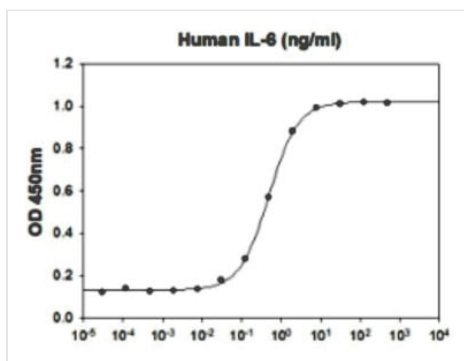
PRODUCT SYNONYMS

Interleukin 6; 30-212aa; Human; His tag; E Coli (Bioactivity Validated); HGF; HSF; BSF2; IL-6; IFNB2; IL6; interleukin 6 (interferon; beta 2); ; IL6 active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In phosphate buffered saline (pH 7.4) containing 10% glycerol
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHHH SSGLVPRGSH MVPPGEDSKD VAAPHRQPLT SSERIDKQIR YLDGISALR KETCNKSNMC ESSKEALAEN NLNLPKMAEK DGCFAQSGFNE ETCLVKIITG LLEFEVYLEY LQNRFESSEE QARAVQMSTK VLIQFLQKKA KNLDAITTPD PTTNASLLTK LQAQNQWLQD MTTHLILRSF KEFLQSSLRA LRQM
Sequence Length	212
Applicable Applications for IL6 active protein	Bioactivity, SDS-PAGE
Tag Information	His-tag
Endotoxin Level	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Biological Activity	Measured in a cell proliferation assay using TF-1 human erythroleukemic cell. The ED50 for this effects is less or equal to 0.8 ng/ml.
Preparation and Storage	For long term storage, aliquot and store at -20 degree C or -80 degree C. Avoid repeated freezing and thawing cycles.

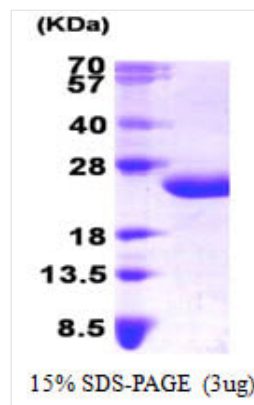
IMAGES



Application Data

Biological Activity: Human IL-6 stimulates cell proliferation of the TF-1 human erythroleukemic cells. The ED50 range

SDS-PAGE



ADDITIONAL INFORMATION

Related Product Information for IL6 active protein	Interleukin-6, as known as IL-6, is an immunoregulatory lymphokine produced by T-cells in response to antigenic or mitogenic stimulation. It is also a 'myokine,' a cytokine produced from muscle, and is elevated in response to muscle contraction. IL-6 acts as both a pro-inflammatory and anti-inflammatory cytokine. Smooth muscle cells in the tunica media of many blood vessels also produce IL-6. It is mediated through its inhibitory effects on TNF-alpha and IL-1, and activation of IL-1ra and IL-10. Recombinant interleukin-6 was expressed in E Coli and purified by conventional chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.
Product Categories/Family for IL6 active protein	Hormones & Cytokines
References	Ishihara, et al. (2002) Cytokine Growth Factor Rev. 13 (4-5):357-68. ; Vgontzas AN, et al. (2005) Neuroimmunomodulation.12, 131-40.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	10834984
NCBI GeneID	3569
NCBI Accession #	NP_000591
NCBI GenBank Nucleotide #	NM_000600.4
UniProt Accession #	P05231; Q9UCU2; Q9UCU3; Q9UCU4
Molecular Weight	23.1 kDa (204 aa), confirmed by MALDI-TOF.
NCBI Official Full Name	interleukin-6 isoform 1
NCBI Official Synonym Full Names	interleukin 6
NCBI Official Symbol	IL6
NCBI Official Synonym Symbols	CDF; HGF; HSF; BSF2; IL-6; BSF-2; IFNB2; IFN-beta-2
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

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/e-coli-active-protein/interleukin-6/48546>