

Interleukin-6 Active Protein | rIL 6 active protein

Recombinant Rat Interleukin-6

CATALOG #
AAA38185

HOST
E Coli

PRODUCT SYNONYMS

Interleukin-6; Recombinant Rat Interleukin-6; IL 6 Rat; Interleukin-6 Rat Recombinant; IFN-b2; B cell differentiation factor (BCDF); BSF-2; HPGF; HSF; MGI-2; IL-6; Interleukin HP-1; B-cell hybridoma growth factor; rIL 6 active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by: Analysis by RP-HPLC Analysis by SDS-PAGE
Form/Format	The protein was lyophilized without any additives. Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence	Thesequenc eofthefirs ftiveN-ter minalamino acidswasde terminedan dwasfoundt obeMet-Phe -Pro-Thr-S er
Sequence Length	211
Solubility	It is recommended to reconstitute the lyophilized Interleukin-6 in 100mM acetic acid to 1.0mg/ml and incubated for 30 minutes at room temperature to regain full activity, which can then be further diluted to other aqueous solutions.
Protein Content	Protein quantitation was carried out by two independent methods:1. UV spectroscopy at 280 nm using the absorbency value of 0.55 as the extinction coefficient for a 0.1% (1mg/ml) solution. This value is calculated by the PC GENE computer analysis program of protein sequences (IntelliGenetics). 2. Analysis by RP-HPLC, using a standard solution of IL-6 as a Reference Standard.
Biological Activity	The ED50 = 0.03-0.1 ng/ml corresponding to a specific activity of 10,000,000-34,000,000IU/mg. The biological activity is determined by measuring the dose-dependent proliferation of IL-6 dependent B9 cells. A concentration range of 0.1-10.0 ng/ml is effective for most in vitro applications.
Preparation and Storage	Lyophilized Interleukin-6 although stable at room temperature for 3 weeks, should be stored desiccated below -18 degree C. Upon reconstitution IL6 should be stored at 4 degree C between 2-7 days and for future use below -18 degree C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for rIL 6 active protein	Description: Interleukin-6 Rat Recombinant produced in E Coli is a single, non-glycosylated polypeptide chain containing 187 amino acids and having a molecular mass of 21732 Dalton. The IL6 is purified by proprietary chromatographic techniques. Introduction: Interleukin-6 is a potent pro-inflammatory cytokine primarily produced by activated T cells and an assortment of other cells including endothelial cells and macrophages. IL-6 affects B and T lymphocytes and has been shown to have a role in host defense, acute phase reactions, immune responses and hematopoiesis.
Product Categories/Family for rIL 6 active protein	Cytokines and Growth Factors ; Cytokines ; Interleukin

NCBI AND UNIPROT INFORMATION

NCBI GI #	7549769
NCBI GeneID	24498
NCBI Accession #	NP_036721.1
NCBI GenBank Nucleotide #	NM_012589.2
UniProt Accession #	P20607
NCBI Official Full Name	interleukin-6
NCBI Official Synonym Full Names	interleukin 6
NCBI Official Symbol	IL6
NCBI Official Synonym Symbols	ILg6; Ifnb2
NCBI Protein Information	interleukin-6; IL-6; Interleukin 6 (interferon, beta 2)
UniProt Protein Name	Interleukin-6
UniProt Gene Name	IL6
UniProt Synonym Gene Names	IL-6; IL-6
UniProt Entry Name	IL6_RAT

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.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-ril-6-active-protein/interleukin-6/38185>