

IL-1beta active protein

IL-1beta, 117-269aa, Human, E Coli (Bioactivity Validated)

CATALOG # AAA48475	HOST E Coli	APPLICATIONS SDS-Page
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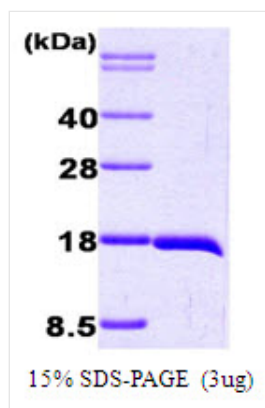
PRODUCT SYNONYMS

IL-1beta; 117-269aa; Human; E Coli (Bioactivity Validated); Interleukin 1b; Interleukin 1beta; IL-1; IL1F2; IL1-beta; Interleukin 1; beta proprotein; IL1B; interleukin 1 beta; IL-1B; IL-1beta active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid in PBS pH7.4
Concentration	1 mg/ml (determined by BCA assay) (varies by lot)
Sequence	MAPVRSLNCT LRDSQQKSLV MSGPYELKAL HLQGQDMEQQ VVFSMSFVQG EESNDKIPVA LGLKEKNLYL SCVLKDDKPT LQLESVDPKN YPKKKMEKRF VFNKIEINN K LEFESAQFPN WYISTSQAEN MPVFLGGTKG GQDITDFTMQ FVSS
Sequence Length	269
Applicable Applications for IL-1beta active protein	SDS-PAGE
Antigen Species	Human
Endotoxin Level	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Biological Activity	Measured in a cell proliferation assay using D10.G4.1 mouse helper T cells. The ED50 for this effect is less or equal to 0.005 ng/ml.
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for IL-1beta active protein	Interleukin-1 (IL-1) has been considered a potentially important inflammatory mediator. It is composed of two distinct proteins, called as IL-1alpha and IL-1beta. IL-1beta is a proinflammatory cytokine produced in a variety of cells including monocytes, tissue macrophages, keratinocytes and other epithelial cells. Both IL-1alpha and IL-1beta bind to the same receptor and they are structurally related polypeptides that share approximately 20% amino acid. Recombinant human IL-1beta was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for IL-1beta active protein	Hormones & Cytokines
References	Allan SM., et al. (2005), Nat. Rev. Immunol. 5:629.; Michaud DS., et al. (2006), Cancer Res.66 (8):4525-30;

NCBI AND UNIPROT INFORMATION

NCBI GI #	10835145
NCBI GeneID	3553
NCBI Accession #	NP_000567
NCBI GenBank Nucleotide #	NM_000576.2
UniProt Accession #	P01584 ; Q53X59 ; Q53XX2 ; Q7M4S7 ; Q7RU01 ; Q96HE5 ; Q9UCT6
Molecular Weight	17kDa (154aa), confirmed by MALDI-TOF.
NCBI Official Full Name	interleukin-1 beta proprotein
NCBI Official Synonym Full Names	interleukin 1 beta
NCBI Official Symbol	IL1B
NCBI Official Synonym Symbols	IL-1; IL1F2; IL1-BETA
NCBI Protein Information	interleukin-1 beta
UniProt Protein Name	Interleukin-1 beta
UniProt Gene Name	IL1B
UniProt Synonym Gene Names	IL1F2; IL-1 beta

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.