

Recombinant Mouse Interleukin 1 Beta, His-tagged

Cat. No. II1b-105M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse IL-1 β , fused to His tag, was expressed in E.coli and purified by using conventional chromatography techniques, 21kDa (189aa).
Species	Mouse
Source	E.coli
Description	IL-1 β is an inflammatory cytokine that might modulate angiogenesis by directly interacting with vascular endothelial cells or enhancing the production of proangiogenic factors via paracrine control. IL-1 β stimulates endothelial cell migration and proliferation, adhesion-molecule expression, inflammatory mediator production, and leukocyte recruitment. IL-1 β is required for tumor growth, metastasis, and angiogenesis in several animal models.
Sequences of amino acids	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMVPI RQLHYRLRDE QQKSLVLSDP YELKALHLNG QNINQQVIFS MSFVQGEPSN DKIPVALGLK GKNLYLSCVM KDGTPTLQLE SVDPKQYPKK KMEKRFVFNK IEVKSKVEFE SAEFPNWWYIS TSQAEHKPVF LGNNSGQDII DFTMESVSS
Formulation	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol
Purity	> 90% by SDS - PAGE
Concentration	1 mg/ml (determined by Bradford assay)

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Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

[Il1b interleukin 1 beta \[Mus musculus \]](#)

Synonyms

Catabolin; IL-1; IL-1B; IL1-BETA; IL1F2; pro-interleukin-1-beta; IL-1 beta; interleukin 1, beta; preinterleukin 1 beta; Il1b; interleukin 1 beta; IL-1beta; OTTMUSP00000016525

Gene ID

[16176](#)

mRNA Refseq

[NM_008361](#)

Protein Refseq

[NP_032387](#)

MIM
UniProt ID

[P10749](#)

**Chromosome
Location**

2 F; 2 73.0 cM

Pathway

Apoptosis; Cytokine-cytokine receptor interaction; Hematopoietic cell lineage; MAPK signaling pathway; Toll-like receptor signaling pathway; Type I diabetes mellitus

Function

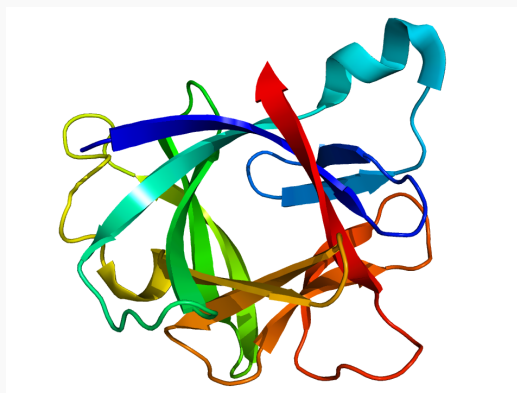
cytokine activity; growth factor activity; interleukin-1 receptor binding

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PDBrendering based
on 31bi. Available
structures:1hib,1i1b,1io



lb,9ilb

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