

Recombinant Mouse Interleukin 1 Beta, His-tagged

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

SPECIFICATION

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|---------------------------------|--|
| 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 IEVKSKEFE SAEFPNWIYIS 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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