

**IL-1?, 118-269 aa, Mouse, His tagged, Recombinant, E.coli**

**Cat.NO.: TP02596**

3th Edition

**Synonyms:**Interleukin 1 beta, IL-1b, IL-1beta

**Description:**IL-1? (Interleukin-1 Beta) 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? stimulates endothelial cell migration and proliferation, adhesion-molecule expression, inflammatory mediator production, and leukocyte recruitment. IL-1? is required for tumor growth, metastasis, and angiogenesis in several animal models.

**Form:**Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

**Molecular Weight:**21kDa (189aa), confirmed by MALDI-TOF

**Sequences:**

MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSMVPIRQLHYRLRDEQQKSLVLSDPYELKALHLNGQNI  
NQQVIFSMSFVQGEPsNDKIPVALGLKGKNLYLSCVMKDGTPTLQLESVDPKQYPKKKMEKRFVFNKIEVKSKVEF  
ESAEFPNWIYSTSQAELKPVFLGNNSGQDIIDFTMESVSS

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**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.