

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
NQQVIFSMSFVQGEPNSNDKIPVALGLKGKNLYLSCVMKDGTPTLQLESVDPKQYPKKKMEKRFVFNKIEVKSKVEF
ESAEFPNWIYSTSQAEHKPVFLGNNSGQDIIDFTMESVSS

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.