

**IL1a, 115-270 aa Mouse, His tag, E.coli**

**Cat.NO.: TP02622**

3th Edition

**Synonyms:**Interleukin-1 alpha precursor, Il-1a, IL-1 alpha, IL-1a, Interleukin 1 alpha

**Description:**IL-1a is produced by activated macrophages, stimulates thymocyte proliferation by inducing IL-2 release, B-cell maturation and proliferation, and fibroblast growth factor activity. This protein is involved in the inflammatory response, being identified as endogenous pyrogens, and are reported to stimulate the release of prostaglandin and collagenase from synovial cells. Recombinant mouse IL1a protein, fused to His-tag at N-terminus, was expressed in E.coli.

**Form:**Liquid. In Phosphate buffer saline (pH 7.4) containing 10% glycerol

**Molecular Weight:**20.4 kDa (179aa)

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMGSSAPYTYQSDLRYKLMKLVQRQKFMNDSL NQTIYQDV DKHYLSTTWLNDLQQ  
EVKFDMYAYSSGGDDSKYPVTLKISDSQLFVSAQGEDQPVLLKELPETPKLITGSETDLIFFWKSINSKNYFTSAAYP  
ELFIATKEQSRVHLARGLP SMTDFQIS

**Purity:**> 95% by HPLC

**Concentration:**1mg/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.