

IL-1?, 117-269aa, Human, Recombinant, E.coli

Cat.NO.: TP02595

3th Edition

Synonyms: Interleukin 1?, IL-1, IL1F2, IL1-beta, Catabolin

Description: Interleukin-1 (IL-1) has been considered a potentially important inflammatory mediator. It is composed of two distinct proteins, called as IL-1? and IL-1?. IL-1 is a proinflammatory cytokine produced in a variety of cells including monocytes, tissue macrophages, keratinocytes and other epithelial cells. Both IL-1? and IL-1? bind to the same receptor and they are structurally related polypeptides that share approximately 20% amino acid.

Form: Liquid. In phosphate-buffered Saline(pH 7.4)

Molecular Weight: 17kDa (154aa), confirmed by MALDI-TOF

Sequences:

MAPVRSLNCTLRDSQQKSLVMSGPYELKALHLQGQDMEQQVVFMSFVQGEESNDKIPVALGLKEKNLYLSCVLK
DDKPTLQLESVDPKNYPKKKMEKRFVFNKIEINNKLFEFESAQFPNWIYSTSQAENMPVFLGGTKGGQDITDFTMQF
VSS

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.