

IL-32, 1-131aa, Human, His-tagged, Recombinant, E.coli

Cat.NO.: TP02598

3th Edition

Synonyms: Interleukin 32 isoform A, IL-32, Natural killer cells protein 4(NK4), Tumor necrosis factor alpha-inducing factor (TAIF)

Description: Interleukin-32 (IL-32) isoform A belongs to cytokine family. This protein expression is increased after the activation of T-cells by mitogens or the activation of NK cells by IL-2. It has the ability to induce proinflammatory cytokines such as TNF α and IL8 in THP1 cells, and activates typical cytokine signaling pathways involving NF κ B and p38. IL-32 can also support osteoclast differentiation but not osteoclast activation by regulating the MAPK/ERK pathway and the actin cytoskeleton.

Form: Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol

Molecular Weight: 19.1 kDa (168aa)

Sequences:

MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSHMCFPKVLSDDMKKLGKARMHQAIERFYDKMQNAES
GRGQVMSSSLAELEDDFKEGYLETVAAYYEEQHPELTPLEKERDGLRCRGNRSPVPDVEDPATEEPGESFCDKSY
GAPRGDKEELTPQKCSEPQSSK

Purity: > 95% by HPLC

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

Endotoxin Level: <1.0 EU per 1 μ g 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.