

Product information



Interleukin 32 , 1-131aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0266

Full name: Interleukin 32 isoform A

NCBI Accession No.: NP_001012651

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

Description: Interleukin 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. Recombinant human Interleukin 32, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography.

<p>Form: Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol</p> <p>Molecular Weight: 19.1 kDa (168aa)</p> <p>Purity: > 95% by SDS - PAGE</p> <p>Concentration: 1 mg/ml (determined by Bradford assay)</p>	<p>(kDa) 57 40 28 18 13.5</p> <p>15% SDS-PAGE (3μg)</p>
<p>Sequences of amino acids:</p> <p>MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMCF PKVLSDDMKK LKARMHQAI E RFYDKMQNAE SGRGQVMSSL AELEDDFKEG YLETVAAYYE EQHPELTPLL EKERDGLRCR GNRSPVPDVE DPATEEPGES FCDKSYGAPR GDKEELTPQK CSEPPQSSK</p>	

General references:

Kim SH., *et al.* (2005). *Immunity*. **22**(1):131-42

Kobayashi H., *et al.* (2009). *Int J Radiat Oncol Biol Phys*. **74**(5):1573-9

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

Product information



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.

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