

## Recombinant Human Interleukin 32, His-tagged

Cat. No. IL32-108H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human Interleukin 32, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography, 19.1 kDa (168aa).
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	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 $\alpha$ and IL8 in THP1 cells, and activates typical cytokine signaling pathways involving NF $\kappa$ B and p38. IL-32 can also support osteoclast differentiation but not osteoclast activation by regulating the MAPK/ERK pathway and the actin cytoskeleton.
<b>Sequences of amino acids</b>	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMCF PKVLSDDMKK LKARMHQAIE RFYDKMQNAE SGRGQVMSSL AELEDDFKEG YLETVAAYYE EQHPELTPLL EKERDGLRCR GNRSPVPDVE DPATEEPGES FCDKSYGAPR GDKEELTPQK CSEPQSSK
<b>Formulation</b>	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol
<b>Purity</b>	> 95% by SDS - PAGE
<b>Concentration</b>	1 mg/ml (determined by Bradford assay)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**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.

## GENE INFORMATION

**Gene Name** [interleukin 32 \[ Homo sapiens \]](#)

**Synonyms** IL32; interleukin 32; NK4; TAIF; TAIFa; TAIFb; TAIFc; TAIFd; IL-32beta; IL-32alpha; IL-32delta; IL-32gamma; natural killer cells protein 4; natural killer cell transcript 4; tumor necrosis factor alpha-inducing factor

**Gene ID** [9235](#)

**mRNA Refseq** [NM\\_001012631](#)

**Protein Refseq** [NP\\_001012649](#)

**MIM** [606001](#)

**UniProt ID** [P24001](#)

**Chromosome Location** 16p13.3

**Function** cytokine activity

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