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# AR09185PU-L Recombinant human IL32 Isoform Alpha (aa 1-131), His-tagged

**Alternate names:** IL-32, NK4, Natural killer cells protein 4, TAIF, Tumor necrosis factor alpha-inducing factor

**Quantity:** 0.5 mg

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

**Background:** Interleukin 32 isoform alpha (isoform 4) 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 TNFalpha and IL8 in THP1 cells, and activates typical cytokine signaling pathways involving NFkappaB and p38. IL-32 can also support osteoclast differentiation but not osteoclast activation by regulating the MAPK/ERK pathway and the actin cytoskeleton.

**Uniprot ID:** P24001

**NCBI:** NP_001012651

**GeneID:** 9235

**Species:** Human

**Source:** E. coli

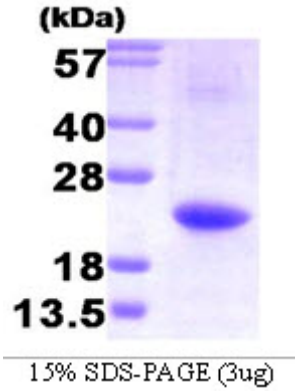
**Format:**
**State:** Liquid purified protein
**Purity:** >95% by SDS - PAGE
**Buffer System:** 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT 10% glycerol

**Description:** Recombinant human Interleukin 32, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
**AA Sequence:**
MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMCF PKVLSDDMKK LKARMHQAIE RFYDKMQNAE SGRGQVMSSL AELEDDFKEG YLETVAAYYE EQHPELTPLL EKERDGLRCR GNRSPVPDVE DPATEEPGES FCDKSYGAPR GDKEELTPQK CSEPQSSK
**Molecular weight:** 19.1 kDa (168 aa)

**Storage:** Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

**General Readings:** 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.

## Pictures:




15% SDS-PAGE (3ug)

Interleukin 32, 1-131 aa human, His-tagged, recombinant: 15% SDS-PAGE (3 µg)