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Recombinant human IL-32 protein

Catalog Number: ATGP0266

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-131aa

UniProt No.

P24001

NCBI Accession No.

NP 001012651.1

Alternative Names

Interleukin 32, Natural killer cells protein 4, Natural killer cell transcript 4, NK4, Tumor necrosis factor alphainducing factor, TAIF, TAIFb, TAIFd

PRODUCT SPECIFICATION

Molecular Weight

19.1 kDa (168aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 95% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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 TNFalpha and IL8 in THP1 cells, and activates typical cytokine signaling pathways involving NFkB and p38. IL-



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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.

Amino acid Sequence

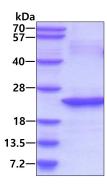
<MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSH>MCF PKVLSDDMKK LKARMHQAIE RFYDKMQNAE SGRGQVMSSL AELEDDFKEG YLETVAAYYE EQHPELTPLL EKERDGLRCR GNRSPVPDVE DPATEEPGES FCDKSYGAPR GDKEELTPQK CSEPQSSK

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

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

