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 alpha-inducing 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-

Recombinant human IL-32 protein

Catalog Number: ATGP0266

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

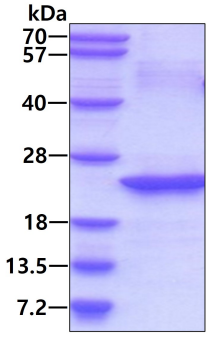
<MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSH>MCF PKVLSDDMKK LKARMHQAIE RFYDKMQNAE SGRGQVMSSL AELEDDFKEG YLETVAAYYE EQHPELTPLL EKERDGLRCR GNRSPVPDVE DPATEEPGES FCDKSYGAPR GDKEELTPQK CSEPQSSK

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.