

Recombinant human ZFAND5 protein

Catalog Number: ATGP2931

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-213aa

UniProt No.

O76080

NCBI Accession No.

NP_005998

Alternative Names

AN1-type zinc finger protein 5, AN1-type zinc finger protein 5, ZA20D2, ZFAND5A, ZNF216

PRODUCT SPECIFICATION

Molecular Weight

25.5 kDa (236aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid In. Phosphate-Buffered Saline (pH 7.4) containing 30% glycerol, 1mM DTT

Purity

> 85% by SDS-PAGE

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

ZFAND5 is involved in protein degradation via the ubiquitin-proteasome system. This protein may act by anchoring ubiquitinated proteins to the proteasome and plays a role in ubiquitin-mediated protein degradation during muscle atrophy. ZFAND5 plays a role in the regulation of NF-kappa-B activation and apoptosis and inhibits NF-kappa-B activation triggered by overexpression of RIPK1 and TRAF6 but not of RELA. It inhibits also tumor necrosis factor (TNF), IL-1 and TLR4-induced NF-kappa-B activation in a dose-dependent manner. Recombinant human ZFAND5 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using

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conventional chromatography techniques.

Amino acid Sequence

MGSSHHHHHHH SSGLVPRGSH MGSMAQETNQ TPGPMLCSTG CGFYGNPRTN GMCSVCYKEH LQRQQNSGRM
SPMGTASGSN SPTSDSASVQ RADTSLNCE GAAGSTSEKS RNPVVAALPV TQQMTEMSIS REDKITTPKT EVSEPVVTQP
SPSVSQPSTS QSEEKAPELP KPKNRCFMC RKKVGLTGFD CRCGNLFCGL HRYSDKHNCP YDYKAEAAAK IRKENPVVVA
EKIQRI

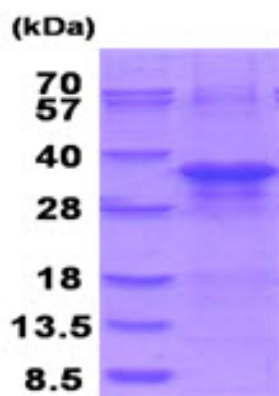
General References

Huang J., et al. (2004) J. Biol. Chem. 279:16847-16853.

Gauci S., et al. (2009) Anal. Chem. 81:4493-4501.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)