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

conventional chromatography techniques.

Amino acid Sequence

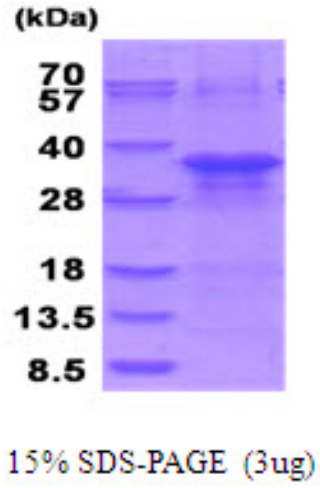
MGSSHHHHHH SSGLVPRGSH MGSMAQETNQ TPGPMLCSTG CGFYGNPRTN GMCSVCYKEH LQRQQNSGRM SPMGTASGSN SPTSDSASVQ RADTSLNNCE GAAGSTSEKS RNVPVAALPV TQQMTEMSIS REDKITTPKT EVSEPVVTQP SPSVSQPSTS QSEEKAPELP KPKKNRCFMC RKKVGLTGFD CRCGNLFCGL HRYSDKHNCP YDYKAEAAAK IRKENPVVVA EKIQRI

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



15% SDS-PAGE (3ug)

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