

Recombinant human ZFAND1 protein

Catalog Number: ATGP2078

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-268aa

UniProt No.

Q8TCF1

NCBI Accession No.

NP_078975

Alternative Names

AN1-type zinc finger protein 1 isoform a, AN1-type zinc finger protein 1 isoform a, zinc finger, AN1-type domain

PRODUCT SPECIFICATION

Molecular Weight

33.2 kDa (291aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

Purity

> 90% 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

AN1-type zinc finger protein 1 isoform a, also known as ZFAND1, belongs to the Zinc-finger proteins. Zinc -finger proteins contain DNA-binding domains and have a wide variety of functions, most of which encompass some form of transcriptional activation or repression. ZFAND1 is a 268 amino acid protein that contains 2 AN1-type zinc fingers, which are often found in proteins that contain an ubiquitin-like domain and therefore play a role in the ubiquitination pathway. ZFAND1 contains six conserved cysteines and two histidines and have a dimetal (zinc) -bound alpha/beta fold. There are two isoforms of ZFAND1 that are produced as a result of alternative

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splicing events. Recombinant human ZFAND1 protein, fused to His-tag at N-terminus, was expressed in *E. coli* and purified by using conventional chromatography techniques.

Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSMAELDIG QHCQVEHCRQ RDFLPFVCDD CSGIFCLEHR SRESHGCPEV TVINERLKTD
QHTSYPCSFK DCAERELVAV ICPYCEKNFC LRHRHQSDHE CEKLEIPKPR MAATQKLVKD IIDSKTGETA SKRWKGAKNS
ETAAKVALMK LKMHADGDKS LPQTERIYFQ VFLPKGSKEK SKPMFFCHRW SIGKAIDFAA SLARLKNNDNN KFTAKKLRLC
HITSGEALPL DHTLETWIAK EDCPLYNGGN IILEYLNDEE QFCKNVESYL E

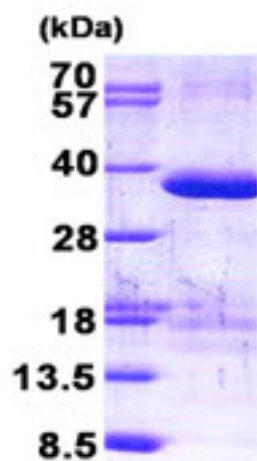
General References

Laity J H., et al. (2001) *Curr Opin Struct Biol.* 11:39-46

Matthews J M., et al. (2002) *luBMB Life.* 54:351-355.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)