OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850
UNITED STATES
Phone: +1-888-267-4436
Fax: +1-301-340-8606
techsupport@origene.com

OriGene Technologies GmbH
Schillerstr. 5
32052 Herford
GERMANY
Phone: +49-5221-34606-0
Fax: +49-5221-34606-11
info-de@origene.com

AR50902PU-N Human ZFAND1 (1-268, His-tag) - Purified

Alternate names: AN1-type zinc finger protein 1

Quantity: 0.25 mg

Concentration: 0.5 mg/ml (determined by Bradford assay)

Background: 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 splicing events.

Uniprot ID: Q8TCF1

NCBI: NP_078975

GeneID: 79752

Species: Human

Source: E. coli

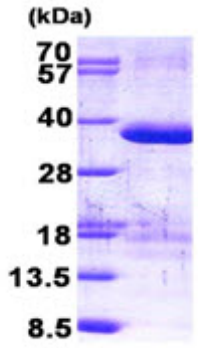
Format: **State:** Liquid purified protein
Purity: >90% by SDS - PAGE
Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

Description: Recombinant human ZFAND1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
AA Sequence:
MGSSHHHHHH SSGLVPRGSH MGSMAELDIG QHCQVEHCRQ RDFLPFVCDD CSGIFCLEHR
SRESHGCPEV TVINERLKTD QHTSYPCSFK DCAERELVAV ICPYCEKNFC LRHRHQSDHE
CEKLEIPKPR MAATQKLVKD IIDSKTGETA SKRWKGAKNS ETAAKVALMK LKMHADGDKS
LPQTERIYFQ VFLPKGSKEK SKPMFFCHRW SIGKAIDFAA SLARLKNDNN KFTAKKLRLC
HITSGEALPL DHTLETWIAK EDCPLYNGGN IILEYLNDEE QFCKNVESYL E
Molecular weight: 33.2 kDa (291aa) confirmed by MALDI-TOF

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings: Laity J H., et al. (2001) Curr Opin Struct Biol. 11:39-46Matthews J M., et al. (2002) IUBMB Life. 54:351-355.

Pictures:



15% SDS-PAGE (3ug)