

**ZFAND1, 1-268aa , Human, His tag, E.coli**

**Cat.NO.: TP04531**

3th Edition

**Synonyms:**AN1-type zinc finger protein 1 isoform a , zinc finger, AN1-type domain

**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 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.

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

**Molecular Weight:**33.2kDa (291aa) confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGMAELDIGQHCQVEHCRQRDFLPFVCDDCSGIFCLEHRSRESHGCPEVTVIN  
ERLKTQHTSYPCSFKDCAERELVAVICPYCEKNFCLRRHQSDHECEKLEIPKPRMAATQKLVKDIIDSKTGETAS  
KRWKGAKNSETAAKVALMKLMHADGDKSLPQTERIYFQVFLPKGSKEKSKPMFFCHRWSIGKAIDFAASLARLKN  
DNNKFTAkkLRLCHITSGEALPLDHTLETWIAKEDCPLYNGGNIILEYLNDEEQFCKNVESEYLE

**Purity:**> 95% by HPLC

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

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.