

## Product datasheet for **TP324679M**

### ZFAND1 (NM\_024699) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human zinc finger, AN1-type domain 1 (ZFAND1), 100 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC224679 representing NM\_024699

**Red**=Cloning site **Green**=Tags(s)

MAELDIGQHCQVEHCRQRDFLPFVCDCCSGIFCLEHRSRESHGCEVTVINERLKTQHTSYPCSFKDCA  
ERELVAVICPYCEKNFCLRRHQSDHECEKLEIPKPRMAATQKLVKDIIDSKTGETASKRWKGAKNSETA  
AKVALMKLKMHADGDKSLPQTERIYFQVFLPKGSKEKSKPMFFCHRWSIGKAIDFAASLARLKNNDNNKFT  
AKKLRLLCHITSGEALPLDHTLETWIAKEDCPLYNGGNIILEYLNDEEQFCKNVESTYLE

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 30.6 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_078975](#)

**Locus ID:** 79752

**UniProt ID:** [Q8TCF1](#)



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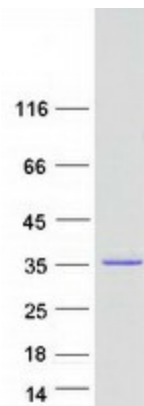
RefSeq Size: 1793

Cytogenetics: 8q21.13

RefSeq ORF: 804

**Summary:** Plays a role in the regulation of cytoplasmic stress granules (SGs) turnover. SGs are dynamic and transient cytoplasmic ribonucleoprotein assemblies important for cellular protein homeostasis when protein production is suspended after acute exogenous stress (PubMed:29804830). Associates with SGs and is involved in the efficient and specific arsenite-induced clearance process of SGs through the recruitment of the ubiquitin-selective ATPase VCP and the 26S proteasome (PubMed:29804830). This process requires both complexes for efficient degradation of damaged ubiquitinated SG proteins during recovery from arsenite stress, and hence avoiding aberrant cytoplasmic SGs degradation via autophagy (PubMed:29804830).[UniProtKB/Swiss-Prot Function]

### Product images:



Coomassie blue staining of purified ZFAND1 protein (Cat# [TP324679]). The protein was produced from HEK293T cells transfected with ZFAND1 cDNA clone (Cat# [RC224679]) using MegaTran 2.0 (Cat# [TT210002]).