

## Product datasheet for **TP301642**

### CAPZA1 (NM\_006135) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human capping protein (actin filament) muscle Z-line, alpha 1 (CAPZA1), 20 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC201642 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MADFDDRVSDEEKVRIAAKFITHAPPGEFNEVFNDVRLLLNNDNLLREGAAHFAQYNMDQFTPVKIEGY  
EDQVLITEHGDLGNSRFLDPRNKISFKFDHLRKEASDPQPEEADGGLKSWRESCDSALRAYVKDHYSNGF  
CTVYAKTIDGQQTIACIESHQFQPKNFWNGRWRSEWKFTITPPTAQVGVLKIQVHYEDGNVQLVSHK  
DVQDSLTVSNEAQTAKFIKIIENAENEYQTAISENYQTMSDITFKALRRQLPVTRTKIDWNKILSYKIG  
KEMQNA

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Tag:** C-Myc/DDK

**Predicted MW:** 32.7 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\\_006126](#)

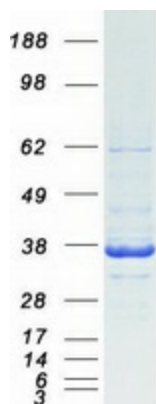
**Locus ID:** 829



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UniProt ID:	<a href="#">P52907</a>
RefSeq Size:	2758
Cytogenetics:	1p13.2
RefSeq ORF:	858
Synonyms:	CAPPA1; CAPZ; CAZ1
Summary:	CAPZA1 is a member of the F-actin capping protein alpha subunit family. This gene encodes the alpha subunit of the barbed-end actin binding protein. The protein regulates growth of the actin filament by capping the barbed end of growing actin filaments. [provided by RefSeq, Jul 2008]

### Product images:



Coomassie blue staining of purified CAPZA1 protein (Cat# TP301642). The protein was produced from HEK293T cells transfected with CAPZA1 cDNA clone (Cat# [RC201642]) using MegaTran 2.0 (Cat# [TT210002]).