

Product datasheet for **TP301642M**

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), 100 µg

Species: Human

Expression Host: HEK293T

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

MADFDDRVSDEEKVRIAAKFITHAPPGEFNEVFNDVRLLLNNDNLLREGAAHFAQYNMDQFTPVKIEGY
EDQVLITEHGDLGNSRFLDPRNKISFKFDHLRKEASDPQPEEADGGLKSWRESCDSALRAYVKDHYSNGF
CTVYAKTIDGQQTIIACIESHQFQPKNFWNGRWRSEWKFTITPPTAQVGVLKIQVHYEDGNVQLVSHK
DVQDSLTVSNEAQTAKFEKIIENAENEYQTAISENYQTMSDITTFKALRRQLPVTRTKIDWNKILSYKIG
KEMQNA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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: [P52907](#)

RefSeq Size: 2758

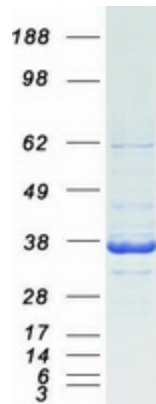
Cytogenetics: 1p13.2

RefSeq ORF: 858

Synonyms: CAPP1; 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]).