

# Recombinant Human CAPZA1

Cat. No. CAPZA1-26237TH Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant fragment of Human CAPZA1 with an N terminal proprietary tag; Predicted MWt 35.42 kDa.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>ProteinLength</b>	89 amino acids
<b>Description</b>	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.
<b>Molecular Weight</b>	35.420kDa inclusive of tags
<b>Form</b>	Liquid
<b>Purity</b>	Proprietary Purification
<b>Storage buffer</b>	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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**Sequences of amino acids** LGNSRFLDPRNKISFKFDHLRKEASDPQPEEADGGLKSWRESCDSALRAYVKDHYS  
NGFCTVYAKTIDGQQTIACIESHQFQPKNFWN

**Sequence Similarities** Belongs to the F-actin-capping protein alpha subunit family.

## GENE INFORMATION

**Gene Name** CAPZA1 capping protein (actin filament) muscle Z-line, alpha 1 [ Homo sapiens ]

**Official Symbol** CAPZA1

**Synonyms** CAPZA1; capping protein (actin filament) muscle Z-line, alpha 1; F-actin-capping protein subunit alpha-1;

**Gene ID** 829

**mRNA Refseq** NM\_006135

**Protein Refseq** NP\_006126

**MIM** 601580

**Uniprot ID** P52907

**Chromosome Location** 1p13.2

**Pathway** Advanced glycosylation endproduct receptor signaling, organism-specific biosystem; Factors involved in megakaryocyte development and platelet production, organism-specific biosystem; Hemostasis, organism-specific biosystem; Immune System, organism-specific biosystem; Innate Immune System, organism-specific biosystem;

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**Function**

actin binding;

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