

Recombinant Human CAPZA1 protein, T7-tagged

Cat. No. CAPZA1-118H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CAPZA1 fused with T7 Tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Form	1.0 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, Sucrose and DTT.
AA Sequence	MASMTGGQQMGRGEFADFDDRVSDEEKVRIAAKFITHAPPGEFNEVFNDVRLLLNNDNLLREGAAHAFAQYNMDQ FTPVKIEGYEDQVLITEHGD LGNSRFLDPRNKISFKFDHLRKEASDPQPEEADGGLKSWRESCDSALRAYVKDHY SNGFCTVYAKTIDGQQQTIIACIESHQFQPKNFWNGRWRSEWKFTITPPTAQVVGVLKIQVHYEDGNVQLVSHKD VQDSLTVSNEAQTAKEFIKIENAENEYQTAISENYQTMSD TTFKALRRQLPVTRTKIDWNKILSYKIGKEMQNA
Purity	>90% by SDS-PAGE
Applications	1. May be used for human F actin assembling regulation study in vitro. 2. May be used as specific substrate protein for kinase and ubiquitin enzymes. 3. May be used as cancer biomarker for diagnosis application development, such as melanoma.
Storage	Keep at -80 centigrade for long term storage. Product is stable at 4 centigrade for at least 30 days.

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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; Cap Z; capZ alpha-1; CAPZ; CAZ1; CAPPA1;
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;
Function	actin binding;

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