

## CAPZA2 Protein, Human (His-SUMO)

Cat. No.:	HY-P72116
Synonyms:	CAPPA2 ; Capping protein actin filament; muscle Z line; alpha 2 ; CapZ alpha 2; CapZ alpha-2; CAPZ; CAPZA2; CAZA2_HUMAN; F actin capping protein alpha 2 subunit; F actin capping protein subunit alpha 2; F-actin-capping protein subunit alpha-2
Species:	Human
Source:	E. coli
Accession:	P47755 (A2-A286)
Gene ID:	830
Molecular Weight:	Approximately 48.8 kDa

AA Sequence       AD LEEQLSDE       EKVRIAAKFI       IHAPPGEFNE       VFNDVRLLN         LGNGKFLDPK       NRICFKFDHL       RKEATDPRPC       EVENAVESWR         LGNGKFLDPK       NRICFKFDHL       RKEATDPRPC       EVENAVESWR         GNVQLVSHKD       IQDSLTVSNE       VQTAKEFIKI       VEAPYYED         GNVQLVSHKD       IQDSLTVSNE       VQTAKEFIKI       VEAPYYED         AJSENVQTMS       DTTFKALRRQ       LPVTRTKIDW       NKILSYKIGK         Formulation       Lyophilized powder       IUUphilized from a 0.2 µm solution of 10 mM Tris-HCl, 1 mM EDTA, 6% Trehalose, pH 8.0.       IE         Endotoxin Level       <1EU/µg, determined by LAL method.       It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH20.       It is not recommended to reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C for extended storage.       Shipping       Room temperature in continental US; may vary elsewhere.	DDADEDTIES	
AA SequenceA D L E E Q L S D E N D N L L RE G A A L G N G K F L D P K N D N L L RE G A A L G N G K F L D P K N D N L L RE G A A L G N G K F L D P K N R I C F K F D H L N R I L S V Y Y S R I C F K F D H L N R I L S Y K I G K N R I	PROPERTIES	
AppearanceLyophilized powderFormulationLyophilized from a 0.2 µm solution of 10 mM Tris-HCl, 1 mM EDTA, 6% Trehalose, pH 8.0.Endotoxin Level<1 EU/µg, determined by LAL method.ReconsititutionIt is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH2O.Storage & StabilityStored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.ShippingRoom temperature in continental US; may vary elsewhere.	AA Sequence	ADLEEQLSDEEKVRIAAKFIIHAPPGEFNEVFNDVRLLLNNDNLLREGAAHAFAQYNLDQFTPVKIEGYEDQVLITEHGDLGNGKFLDPKNRICFKFDHLRKEATDPRPCEVENAVESWRTSVETALRAYVKEHYPNGVCTVYGKKIDGQQTIIACIESHQFQAKNFWNGRWRSEWKFTITPSTTQVVGILKIQVHYYEDGNVQLVSHKDIQDSLTVSNEVQTAKEFIKIVEAAENEYQTAISENYQTMSDTTFKALRRQLPVTRTKIDWNKILSYKIGK
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	Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION
Background

Additionally, CAPZA2 interacts with RCSD1/CAPZIP and directly associates with CRACD, with this interaction shown to decrease its binding to actin. The versatile nature of CAPZA2 in modulating actin dynamics highlights its role in regulating cytoskeletal architecture and cellular processes associated with actin filament organization.

## Caution: Product has not been fully validated for medical applications. For research use only.

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