

## Capping Protein (Actin Filament) Muscle Z-Line Alpha 2 Human Recom-

<b>Item Number</b>	rAP-2950
<b>Synonyms</b>	Capping Protein (Actin Filament) Muscle Z-Line, Alpha 2, F-Actin Capping Protein Alpha-2 Subunit, CapZ Alpha-2, CAPPA, CAPZ2, F-Actin-Capping Protein Subunit Alpha-2.
<b>Description</b>	CAPZA2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 309 amino acids (1-286 a.a) and having a molecular mass of 35.3kDa. CAPZA2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
<b>Uniprot Accession Number</b>	P47755
<b>Amino Acid Sequence</b>	MGSSHHHHH SSGLVPRGSH MGSMADLEEQ LSDEEKVRIA AKFIIHAPPG EFNEVFNDVR LLLNNDNLLR EGAAHAFAY NLDQFTPVKI EGYEDQVLIT EHGD LGNGKF LDPKNRICFK FDHL- RKEATD PRPCEVENAV ESWRTSVETA LRAYVKEHYP NGVCTVYGKK IDGQQTIIAC IESHQFQAKN FWNGRWRSEW KFTITPSTTQ VVGILKIQVH YYEDGNVQLV SHKDIQDSL T VSNEVQTAK E FIKIVEAAEN EYQTAISENY QTMSD TTFKA LRRQLPVTRT KIDWNKILSY KIGKEMQNA.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered clear solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
<b>Formulation and Purity</b>	CAPZA2 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol, and 0.4M UREA. Greater than 85.0% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**