

32-3419: CAPZA2 Recombinant Protein

Alternative Name : 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.

Description

Source : Escherichia Coli. 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. Capping Protein (Actin Filament) Muscle Z-Line, Alpha 2 also known as CAPZA2 belongs the F-actin capping protein alpha subunit family. It is the alpha subunit of the barbed-end actin binding protein Cap Z. By capping the barbed end of actin filaments, Cap Z regulates the growth of the actin filaments at the barbed end. Among the diseases associated with CAPZA2 are endocarditis, and cervicitis.

Product Info

Amount :	20 µg
Purification :	Greater than 85.0% as determined by SDS-PAGE.
Content :	CAPZA2 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol, and 0.4M UREA.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSMADLEEQ LSDEEKVRIA AKFIIHAPPG EFNEVFNDVR LLLNNDNLLR EGAAHAFAQY NLDQFTPVKI EGYEDQVLIT EHGD LGNGKF LDPKNRICFK FDHLRKEATD PRPCEVENAV ESWRTSVETA LRAYVKEHYP NGVCTVYGKK IDGQQTIAC IESHQFQAKN FWNGRWRSEW KFTITPSTTQ VVGILKIQVH YYEDGNVQLV SHKDIQDSL VSNEVQTAKE FIKIVEAAEN EYQTAISENY QTMSDTTFKA LRRQLPVTRT KIDWNKILSY KIGKEMQNA.

