

## 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

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

