

**CAPZA2, 1-286aa, Human, His tag, E.coli**

**Cat.NO.: TP01422**

3th Edition

**Synonyms:**F-actin-capping protein subunit alpha-2, CAPPA2, CAPZ

**Description:**CAPZA2 is a member of 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. Recombinant human CAPZA2 protein, fused to His-tag at N-terminus, was expressed in E.coli.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M UREA

**Molecular Weight:**35.3 kDa (309aa)

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMGSMADLEEQLSDEEKVRIAAKFIIHAPPGEFNEVFNDVRLLLNNDNLLREGAAHA  
FAQYNLDQFTPVKIEGYEDQVLITEHGD LGNGKFLDPKNRICFKFDHLRKEATDPRPCEVENAVESWRTSVETALR  
AYVKEHYPNGVCTVYGKKIDGQQTIACIESHQFQAKNFWNGRWRSEWKFTITPSTTQVVGILKIQVHYYEDGNVQL  
VSHKDIQDSLTVSNEVQTAKEFIKIVEAAENEYQTAISENYQTMSDITTFKALRRQLPVTRTKIDWNKILSYKIGKEMQ  
NA

**Purity:**> 95% by HPLC

**Concentration:**1mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.