

Recombinant human CAPZA2 protein

Catalog Number: ATGP2356

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-286aa

UniProt No.

P47755

NCBI Accession No.

NP_006127

Alternative Names

F-actin-capping protein subunit alpha-2, CAPPA2, CAPZ

PRODUCT SPECIFICATION

Molecular Weight

35.3 kDa (309aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M uREA

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSMADLEEQ LSDEEKVRIA AKFIIHAPPG EFNEVFNDVR LLLNNDNLLR EGAAHFAFQY

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NLDQFTPVKI EGYEDQVLIT EHGDLGNGKF LDPKNRICFK FDHLRKEATD PRPCEVENAV ESWRTSVETA LRAYVKEHYP
NGVCTVYGKK IDGQQTIAC IESHQFQAKN FWNGRWRSEW KFTITPSTTQ VVGILKIQVH YYEDGNVQLV SHKDIQDSL
VSNEVQTAKI FIKIVEAAEN EYQTAISENY QTMSDITTFKA LRRQLPVTRT KIDWNKILSY KIGKEMQNA

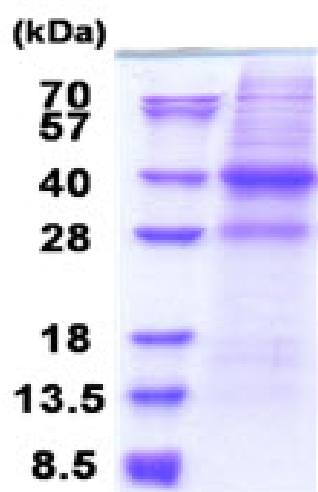
General References

Eyers C.E., et al (2005). *Biochem. J.* 389:127-135

Derivery E., et al (2009). *Dev. Cell* 17:712-723

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)