

Recombinant human TMOD3 protein

Catalog Number: ATGP1647

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-352aa

UniProt No.

Q9NYL9

NCBI Accession No.

NP_055362

Alternative Names

Tropomodulin-3, Tropomodulin 3, u-Tmod, uTMOD, ubiquitous tropomodulin

PRODUCT SPECIFICATION

Molecular Weight

42 kDa (376aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol

Purity

> 80% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

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

TMOD3 belongs to the tropomodulin family. Regulation of the actin cytoskeleton by filament capping proteins is critical to myriad dynamic cellular functions. The ability of these proteins to bind both filaments as well as monomers is often central to their cellular functions. The ubiquitous pointed end capping protein TMOD3 acts as a negative regulator of cell migration, yet mechanisms behind its cellular functions are not understood. Recombinant human TMOD3 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

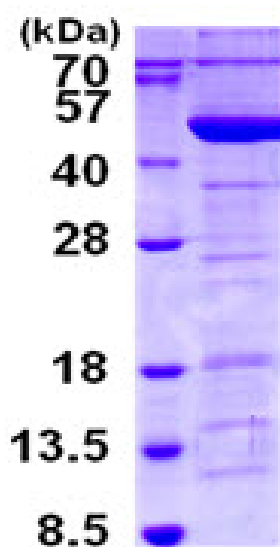
MGSSHHHHHH SSGLVPRGSH MGSHMALPFR KDLEKYKDL D ELLGNLSE TELKQLETVL DDLDPENALL PAGFRQKNQT
SKSTTGPFDR EHLLSYLEKE ALEHKDREDY VPYTGEKKKGK IFIPKQKPVQ TFTEEKVSLD PELEEAL TSA SDTELCDLAA
ILGMHNLITN TKFCNIMGSS NGVDQEHFSN VVKGEKILPV FDEPPNPTNV EESLKRTKEN DAHLVEVNLN NIKNIPIPTL
KDFAKALETN THVKCFSLAA TRSNP VATA FAEMLKVNKT LKSLN VESNF ITGVGILALI DALRDNETLA ELKIDNQRQQ
LGTAVELEMA KMLEENTNIL KFGYQFTQQG PRTRAANA IT KNNDLVRKRR VEGDHQ

General References

Fischer RS., et al. (2006) J Biol Chem. 2006 Nov 24
281(47):36454-65. Epub 2006 Oct 1.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)