

AR50471PU-N**Human Tropomodulin-3 (TMOD3) (1-352, His-tag) - Purified****Alternate names:**

U-Tmod, Ubiquitous tropomodulin

Quantity:

0.25 mg

Concentration:

0.25 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:[Q9NYL9](#)**NCBI:**[NP_055362](#)**GeneID:**[29766](#)**Species:**

Human

Source:

E. coli

Format:**State:** Liquid purified protein**Purity:** >80% by SDS - PAGE**Buffer System:** 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol**Description:**

Recombinant human TMOD3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MGSHMALPFR KDLEKYKDLL EDELLGNLSE TELKQLETVL
DDLDPENALL PAGFRQKNQT SKSTTGPFDR EHLLSYLEKE ALEHKDREY VPYTGEKKGK
IFIPKQKPVQ TFTEEKVSLD PELEEAL TSA SDELCDLAA ILGMHNLITN TKFCNIMGSS
NGVDQEHFSN VVKGEKILPV FDEPPNPTNV EESLKRKTEN DAHLVEVNLN NIKNIPIPTL
KDFAKALETN THVKCFSLAA TRSNP VATA FAEMLKVNKT LKSLNVESNF ITGVGILALI
DALRDNETLA ELKIDNQRQQ LGTAVELEMA KMLEENTNIL KFGYQFTQQG PRTRAANAIT
KNDLVRKRR VEGDHQ

Molecular weight: 42 kDa (376aa) confirmed by MALDI-TOF**Storage:**

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

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

Pictures:

