

Recombinant Human Tropomodulin 3 (ubiquitous), His-tagged

Cat. No. TMOD3-6959H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TMOD3 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-352aa
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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol.
Molecular Mass	42 kDa (376aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSHPALPFR KDLEKYKDLD EDELLGNLSE TELKQLETVL DDLDPENALL PAGFRQKNQT SKSTTGPFDR EHLLSYLEKE ALEHKDREDY VPYTGEKKGK IFIPKQKPVQ TFTEEKVSLD PELEEAL TSA SDTELCDLAA ILGMHNLITN TKFCNIMGSS NGVDQEHFSN VVKGEKILPV FDEPPNPTNV EESLKRTKEN DAHLVEVNLN NIKNIPIPTL KDFAKALETN

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THVKCFSLAA TRSNDPVATA FAEMLKVNKT LKSLNVESNF ITGVGILALI
DALRDNETLA ELKIDNQRRQ LGTAVELEMA KMLEENTNIL KFGYQFTQQG
PRTRAANAIT KNNDLVRKRR VEGDHQ

Purity >80% by SDS - PAGE

Applications SDS-PAGE

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.

Concentration 0.25 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [TMOD3 tropomodulin 3 \(ubiquitous\) \[Homo sapiens \]](#)

Official Symbol TMOD3

Synonyms TMOD3; tropomodulin 3 (ubiquitous); tropomodulin-3; UTMOD; ubiquitous tropomodulin;

Gene ID [29766](#)

mRNA Refseq [NM_014547](#)

Protein Refseq [NP_055362](#)

MIM [605112](#)

UniProt ID [Q9NYL9](#)

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Chromosome Location	15q21.1-q21.2
Function	actin binding; tropomyosin binding;

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