

TMOD3, 1-352aa, Human, His tag, E.coli

Cat.NO.: TP04235

3th Edition

Synonyms:Tropomodulin-3, Tropomodulin 3, U-Tmod, UTMOD, Ubiquitous tropomodulin

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.

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

Molecular Weight:42 kDa (376aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSHMALPFRKDLEKYKDLDEDELLGNLSETELKQLETVLDLDPENALLPAGFR
QKNQTSKSTTGPFDRHLLSYLEKEALEHKDREDYVPTYTGEKKGKIFIPKQKPVQTFTEEKVSLDPELEEALTSASD
TELCDLAAILGMHNLITNTKFCNIMGSSNGVDQEHFSNVVKGEKILPVFDEPPNPTNVEESLKRTKENDAHLVEVNL
NNIKNIPIPTLKDFAKALETNTHVKCFSLAATRSNDPVATAFAEMLKVNKTLKSLNVESNFITGVGILALIDALRDNETL
AELKIDNQRQQLGTAVELEMAKMLEENTNILKFGYQFTQQGPRTRAANAITKNNDLVRKRRVEGDHQ

Purity:> 95% by HPLC

Concentration:0.25 mg/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.