

## 32-5096: Recombinant Human Tropomodulin 3

**Alternative Name :** Tropomodulin-3, Ubiquitous tropomodulin, U-Tmod, TMOD3, UTMOD.

### Description

Source : Escherichia Coli. TMOD3 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 376 amino acids (1-352 a.a) and having a molecular mass of 42kDa. TMOD3 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Tropomodulin 3 (TMOD3) is a member of the tropomodulin family. TMOD3 prevents the elongation and depolymerization of the actin filaments at the pointed end. Actin cytoskeleton regulation by filament capping proteins is essential to many dynamic cellular functions. TMOD3 functions as a negative regulator of cell migration; nevertheless the processes behind its cellular functions are unknown. The Tmod/TM complex influences the formation of the short actin protofilament, which sequentially outlines the geometry of the membrane skeleton.

### Product Info

<b>Amount :</b>	10 µg
<b>Purification :</b>	Greater than 80.0% as determined by SDS-PAGE.
<b>Content :</b>	TMOD3 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl and 10% glycerol.
<b>Storage condition :</b>	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
<b>Amino Acid :</b>	MGSSHHHHH SSGLVPRGSH MGSHMALPFR KDLEKYKDL EDELLGNLSE TELKQLETVL DDLDPENALL PAGFRQKNQT SKSTTGPFDR EHLLSYLEKE ALEHKDREDY VPYTGEKKGK IFIPKQKPVQ TFTEEKVSLD PELEEALSA SDELCDLAA ILGMHNLITN TKFCNIMGSS NGVDQEHFSN VVKGEKILPV FDEPPNPTNV EESLKRTKEN DAHLVEVNLN NIKNIPIPTL KDFAKALETN THVKCFSLAA TRSNDPVATA FAEMLKVNKT LKSLNVESNF ITGVGILALI DALRDNETLA ELKIDNQRQQ LGTAVELEMA KMLEENTNIL KFGYQFTQQG PRTRAANAIT KNNDLVRKRR VEGDHQ.

