

TMOD1 Protein, Human, Recombinant (GST)

General Information

Synonyms:	Tropomodulin-1;TMOD;D9S57E;TMOD1;Erythrocyte tropomodulin (E-Tmod)
Protein Construction:	1-359 aa
Species:	Human
Expression Host:	E. coli
Accession:	P28289
Molecular Weight:	67.6 kDa (predicted)
AA Sequence:	MSYRRELEKYRDLDEDEILGALTEEELRTLENELDELDPDNALLPAGLRQKDQTTKAPTGPFKREELLDHLEKQ AKEFKDREDLVPYTGKGRGKVVWPKQKPLDPVLESVTLEPELEEALANASDAELCDIAAILGMHTLMSNQYY QALSSSSIMNKEGLNSVIKPTQYKVPVDEEPNSTDVEETLERIKNNDPKLEEVNLLNIRNIPIPTLKAYAEALKE NSYVKKFSIVGTRSNDPVAYALAEMLENKVLKTLNVESNFISGAGILRLVEALPYNTSLVEMKIDNQSQPLGN KVEMEIVSMLEKNATLLKFGYHFTQGPRLRASNAMMNNNDLVRKRRRLADLTGPIPKCRSGV

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Blocks the elongation and depolymerization of the actin filaments at the pointed end. The Tmod/TM complex contributes to the formation of the short actin protofilament, which in turn defines the geometry of the membrane skeleton. May play an important role in regulating the organization of actin filaments by preferentially binding to

A DRUG SCREENING EXPERT

a specific tropomyosin isoform at its N-terminus.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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