

Recombinant Human TMOD1, T7 -tagged

Cat. No. TMOD1-31624TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant fusion protein: Full length human tropomodulin 1 with a T7 tag at N-terminus
Species	Human
Source	E.coli
Description	This gene encodes a member of the tropomodulin family. The encoded protein is an actin-capping protein that regulates tropomyosin by binding to its N-terminus, inhibiting depolymerization and elongation of the pointed end of actin filaments and thereby influencing the structure of the erythrocyte membrane skeleton. Multiple transcript variants encoding the same protein have been found for this gene.
Conjugation	T7
Tissue specificity	Highly expressed in the erythrocyte, heart and skeletal muscle.
Form	Liquid
Storage buffer	Preservative: 0.002% Sodium Azide Constituents: 0.1% Triton-X-100, 10mM Tris, 10mM DTT, pH 8.0
Storage	Aliquot and store at -80°C. Avoid repeated freeze / thaw cycles.
Sequence	Belongs to the tropomodulin family.

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Similarities
GENE INFORMATION

Gene Name	TMOD1 tropomodulin 1 [Homo sapiens]
Official Symbol	TMOD1
Synonyms	TMOD1; tropomodulin 1; D9S57E, TMOD; tropomodulin-1; ETMOD;
Gene ID	7111
mRNA Refseq	NM_003275
Protein Refseq	NP_003266
MIM	190930
Uniprot ID	P28289
Chromosome Location	9q22
Pathway	Muscle contraction, organism-specific biosystem; Striated Muscle Contraction, organism-specific biosystem; Striated Muscle Contraction, organism-specific biosystem;
Function	actin binding; tropomyosin binding;

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