

## Recombinant Human TPM1 protein, His-tagged

Cat. No. TPM1-121H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human TPM1 protein(NP_000357.3)(Met1-Met284), fused with His tag, was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Met1-Met284
<b>Form</b>	Lyophilized from sterile PBS, 10% Glycerol, pH 7.4. Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
<b>Molecular Mass</b>	The recombinant human TPM1 consists of 299 amino acids and predicts a molecular mass of 34.7 KDa. It migrates as an approximately 35 KDa band in SDS-PAGE under reducing conditions.
<b>Purity</b>	> 90 % as determined by SDS-PAGE
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** TPM1 tropomyosin 1 (alpha) [ Homo sapiens ]

**Official Symbol** TPM1

**Synonyms**

TPM1; tropomyosin 1 (alpha); C15orf13, cardiomyopathy, hypertrophic 3 , chromosome 15 open reading frame 13 , CMH3; tropomyosin alpha-1 chain; alpha-tropomyosin; sarcomeric tropomyosin kappa; cardiomyopathy, hypertrophic 3; tropomyosin 1 (alpha) isoform 1; tropomyosin 1 (alpha) isoform 2; tropomyosin 1 (alpha) isoform 3; tropomyosin 1 (alpha) isoform 4; tropomyosin 1 (alpha) isoform 5; tropomyosin 1 (alpha) isoform 6; tropomyosin 1 (alpha) isoform 7; CMH3; TMSA; CMD1Y; C15orf13; HTM-alpha;

**Gene ID** 7168

**mRNA Refseq** NM\_000366

**Protein Refseq** NP\_000357

**MIM** 191010

**UniProt ID** P09493

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