

## 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) was expressed in E.coli with a polyhistide tag at the N-terminus.                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                |
| <b>Source</b>           | E.coli                                                                                                                                                                               |
| <b>ProteinLength</b>    | 1-284 aa                                                                                                                                                                             |
| <b>Form</b>             | Lyophilized from sterile PBS, 10% Glycerol, pH 7.4.                                                                                                                                  |
| <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>          | Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities 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 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.        |

### GENE INFORMATION

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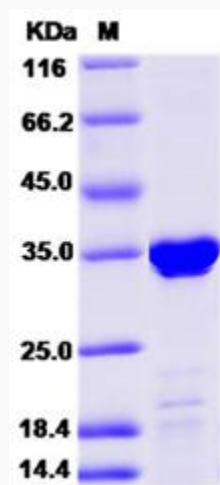
|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | TPM1 tropomyosin 1 (alpha) [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Official Symbol</b> | TPM1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Synonyms</b>        | 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; |
| <b>Gene ID</b>         | 7168                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>mRNA Refseq</b>     | NM_000366                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Protein Refseq</b>  | NP_000357                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>MIM</b>             | 191010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>UniProt ID</b>      | P09493                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

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SDS-PAGE



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