

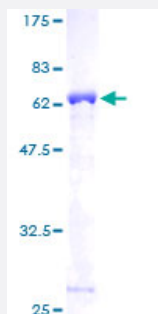
Full-Length

TPM2 (Human) Recombinant Protein (P01)

Catalog # H00007169-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human TPM2 full-length ORF (AAH11776, 1 a.a. - 284 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MDAIIKKMQMLKLDKENAIDRAEQAEADKKQAEDRCKQLEEEQALQKKLKGTEDEVEKYSES
VKEAQEKLEQAEEKATDAEADVASLNRRQLVEEELDRAQERLATALQKLEEAEKAADESERGM
KVIENRAMKDEEKMELQEMQLKEAKHIAEDSDRKYEEVARKLVILEGELERSEERA EVAESRARQ
LEELRTMDQALKSLMASEEEYSTKEDKYEEEIKLLEEKLEAE TRAEFAERSVAKLEKTIDDL EE
TLASAKEENVEIHQTL DQTLLELNNL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

56.98

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — TPM2

Entrez GeneID	7169
GeneBank Accession#	BC011776
Protein Accession#	AAH11776
Gene Name	TPM2
Gene Alias	AMCD1, DA1, DA2B, TMSB
Gene Description	tropomyosin 2 (beta)
Omim ID	108120 161800 190990
Gene Ontology	Hyperlink
Gene Summary	This gene encodes beta-tropomyosin, a member of the actin filament binding protein family, and mainly expressed in slow, type 1 muscle fibers. Mutations in this gene can alter the expression of other sarcomeric tropomyosin proteins, and cause cap disease, nemaline myopathy and distal art hrogyrosis syndromes. Alternatively spliced transcript variants encoding different isoforms have been found for this gene
Other Designations	OTTHUMP00000021357 arthrogryposis multiplex congenital, distal, type 1

Pathway

- [Cardiac muscle contraction](#)
- [Hypertrophic cardiomyopathy \(HCM\)](#)

Disease

- [Arthrogryposis](#)
- [Cardiovascular Diseases](#)
- [Clubfoot](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)