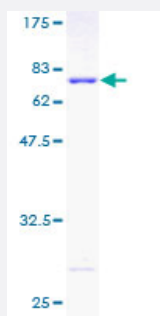


TNNT2 (Human) Recombinant Protein (Q01)

Catalog # H00007139-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human TNNT2 partial ORF (AAH02653, 1 a.a. - 268 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MSDIEEVVEEYEEEEQEEAAVEEQEEAAEEDAEAEAETEETRAEEDEEEEAAKEAEDGPMEE KPKPRSFMPNLVPPKIPDGERVDFDDIHRKRMEKDLNELQALIEAHFENRKKEEEELVSLKDRIE RRAERAEQQRI RNEREKERQNR LAEERARREEEENRRKAEDARKKKALSNNMHFGGYIQKTER KSGKRQTEREKKKKILAERRKVLAI DHLNEDQLREKAKELWQSYNLEAEKFDLQEKFQKQKYEIN VLRNRINDN
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	55.11
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 — TNNT2

Entrez GeneID [7139](#)

GeneBank Accession# [BC002653](#)

Protein Accession# [AAH02653](#)

Gene Name TNNT2

Gene Alias CMH2, CMPD2, MGC3889, RCM3, TnTC, cTnT

Gene Description troponin T type 2 (cardiac)

Omim ID [115195](#) [191045](#) [601494](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is the tropomyosin-binding subunit of the troponin complex, which is located on the thin filament of striated muscles and regulates muscle contraction in response to alterations in intracellular calcium ion concentration. Mutations in this gene have been associated with familial hypertrophic cardiomyopathy as well as with dilated cardiomyopathy. Transcripts for this gene undergo alternative splicing that results in many tissue-specific isoforms, however, the full-length nature of some of these variants has not yet been determined. [provided by RefSeq]

Other Designations OTTHUMP00000033864|OTTHUMP00000033867|cardiomyopathy, dilated 1D (autosomal dominant)|cardiomyopathy, hypertrophic 2|troponin T type 2, cardiac|troponin T, cardiac muscle|troponin T2, cardiac

Pathway

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

Disease

- [Cardiomegaly](#)
- [Cardiomyopathies](#)
- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Death](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypertrophy](#)
- [Lipid Metabolism](#)
- [Mitochondrial Myopathies](#)
- [Tachycardia](#)