

Troponin T Recombinant Protein | TNNT2 recombinant protein

Troponin T, 1-285aa, Human, His tag, E Coli

CATALOG # AAA48539	HOST E Coli	APPLICATIONS SDS-Page
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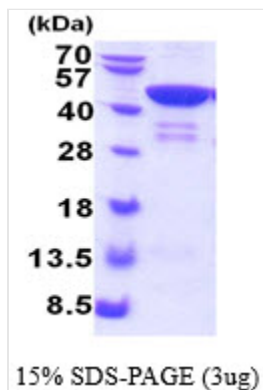
PRODUCT SYNONYMS

Troponin T; 1-285aa; Human; His tag; E Coli; Troponin T type 2 cardiac isoform 3; Troponin T type 2; cardiac isoform 3; CMH2; CMPD2; cTnT; RCM3; TnTC; cardiac isoform 3 Cardiac muscle troponin T; MGC3889; TNNT 2; TNNT2; Cardiomyopathy hypertrophic 2; Cardiomyopathy dilated 1D (autosomal dominant); CMD1D; Troponin T cardiac muscle; Troponin T type 2 (cardiac); Troponin T type 2 cardiac; Troponin T2 cardiac.; TNNT2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 50% glycerol, 0.5M NaCl, 0.1mM PMSF, 1mM DTT, 100mM imidazole
Concentration	0.25 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MSDIEEVVEE YEEEEQEEAA VEEQEEAAEE DAEAEAEETEE TRAEDEEEEE EAKEAEDGPM EESKPKPRSF MPNLVPPKIP DGERVDFDDI HRKRMEKDLN ELQALIEAHF ENRKKEEEEL VSLKDRIERR RAERAEQQRI RNEREKERQN RLAEERARRE EEENRRKAED EARKKKALSN MMHFGGYIQK TERKSGKRQT EREKKKKILA ERRKVLAI DH LNEQLREKA KELWQSIYNL EAEKFDLQEK FKQKQYEINV LRNRINDNQK VSKTRGKAKV TGRWK
Sequence Length	285
Applicable Applications for TNNT2 recombinant protein	SDS-PAGE
Preparation and Storage	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for TNNT2 recombinant protein	Troponin T, also known as TNNT2, 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 restrictive and dilated cardiomyopathy. Recombinant human TNNT2 protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography.
Product Categories/Family for TNNT2 recombinant protein	Cytoskeleton
References	Yu H., et al. (2009), Proteomics. 9 (3):504-11.; Morita H., et al. (2008). N Engl J Med. 358 (18):1899-908.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	48255881
NCBI GeneID	7139
NCBI Accession #	NP_001001431
NCBI GenBank Nucleotide #	NM_001001431.2
UniProt Accession #	P45379; O60214; Q99596; Q99597; Q9BUF6; Q9UM96; A2TDB9; A8K3K6
Molecular Weight	36.4 kDa (305aa), confirmed by MALDI-TOF.
NCBI Official Full Name	troponin T, cardiac muscle isoform 3
NCBI Official Synonym Full Names	troponin T2, cardiac type
NCBI Official Symbol	TNNT2
NCBI Official Synonym Symbols	CMH2; RCM3; TnTC; cTnT; CMD1D; CMPD2; LVNC6
NCBI Protein Information	troponin T, cardiac muscle
UniProt Protein Name	Troponin T, cardiac muscle
UniProt Gene Name	TNNT2
UniProt Synonym Gene Names	TnTc; cTnT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.