OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TP750172

Cardiac Troponin T (TNNT2) (NM_000364) Human Recombinant Protein

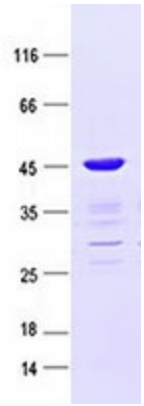
Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human troponin T type 2 (cardiac) (TNNT2), transcript variant 1, full length, with N-terminal HIS tag, expressed in E.Coli, 50 ug
Species:	Human
Expression Host:	E. coli
Tag:	N-HIS
Predicted MW:	35.4KDa
Concentration:	>50 ug/mL as determined by spectrophotometrically□A280□ method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from 0.01 M HCl,reconstitute with Tris/urea buffer (20 mM Tris pH7.5, 7 M urea, 5 mM EDTA, 15 mM β- mercaptoethanol).
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_000355
Locus ID:	7139
RefSeq Size:	1153
Cytogenetics:	1q32.1
RefSeq ORF:	885
Synonyms:	CMD1D; CMH2; CMPD2; cTnT; LVNC6; RCM3; TnTC
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, Jul 2008]
Protein Families:	Druggable Genome

View online »

Protein Pathways: Cardiac muscle contraction, Dilated cardiomyopathy, Hypertrophic cardiomyopathy (HCM)

Product images:



Purified recombinant protein TNNT2 was analyzed by SDS-PAGE gel and Coomossie Blue Staining.