

Cardiac Troponin T (TnT) Recombinant Protein | TNNT2 recombinant protein

Recombinant Human Cardiac Troponin T (TnT)

CATALOG #
AAA47961

HOST
E Coli

PRODUCT SYNONYMS

Cardiac Troponin T (TnT); Recombinant Human Cardiac Troponin T (TnT); TNNT2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Specificity	Human Cardiac Troponin T (TnT)
Purity/Purification	Greater than 90% as determined by SDS-PAGE
Form/Format	Sterile-filtered solution in 20mM Tris, pH 8.0, 50% glycerol. Purified by proprietary chromatographic techniques.
Concentration	0.25mg/mL (varies by lot)
Sequence	MGSSHHH HHHSSGLVPR GSHMSD IEEVVEEYEE EEQEEAAVEE QEAAAEEDAE AEAETEETRA EEDEEEEEAK EAEDGPMEES KPKPRSFMPN LVPPKIPDGE RVDFFDIHRK RMEKDLNELQ ALIEAHFENR KKEEEELVSL KDRIERRRAE RAEQQIRNE REKERQNRLA EERARREEEE NRRKAEDEAR KKKALSNNMMH FGGYIQKTER KSGKRQTERE KKKKILAERR KVLAIIDLNE DQLREKAKEL WQSIYNLEAE KFDLQEKFKQ QKYEINVLRLN RINDNQKVSX TRGKAKVTGR WK
Preservative	50% glycerol
Appearance	Clear Liquid
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store at -20 degree C for longer periods of time. For long term storage, addition of 0.1% human serum albumin or bovine serum albumin is recommended. Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for TNNT2 recombinant protein	Troponin T (TnT) is the tropomyosinbinding subunit of the troponin complex which is situated on the thin filament of striated muscles and regulates muscle contraction in response to alterations in intracellular calcium ion concentrations. Mutations in the TNNT2 gene are associated with familial hypertrophic cardiomyopathy as well as with dilated cardiomyopathy and hypertrophic cardiomyopathy. Recombinant Human TnT produced in E. coli is a single, non-glycosylated polypeptide chain containing 305 amino acids (aa 1-285) with a molecular weight of 36.4 kDa. It is fused to a 20-amino acid His-tag at the N-terminus.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	48255877
NCBI GeneID	7139
NCBI Accession #	NP_000355.2
NCBI GenBank Nucleotide #	NM_000364.2
UniProt Accession #	P45379.3; O60214; Q99596; Q99597; Q9UM96; A2TDB9; A8K3K6; P45379; Q15607; Q15608; Q7Z554; Q8IZA1; Q9BUF6

Molecular Weight	35,924 Da
NCBI Official Full Name	troponin T, cardiac muscle isoform 1
NCBI Official Synonym Full Names	troponin T type 2 (cardiac)
NCBI Official Symbol	TNNT2
NCBI Official Synonym Symbols	CMH2; RCM3; TnTC; cTnT; CMPD2; LVNC6; MGC3889
NCBI Protein Information	troponin T, cardiac muscle; OTTHUMP00000033864; OTTHUMP00000033865; OTTHUMP00000033866; OTTHUMP00000033867; OTTHUMP00000033870; OTTHUMP00000218095; troponin T2, cardiac; cardiac muscle troponin T; cardiomyopathy, hypertrophic 2; cardiomyopathy, dilated 1D (autosomal dominant)
UniProt Protein Name	Troponin T, cardiac muscle
UniProt Gene Name	TNNT2
UniProt Entry Name	TNNT2_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/tnnt2-recombinant-protein-e-coli/47961>