

Product information



Troponin T, 1-285 aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0329

Full name: Troponin T type 2, cardiac isoform 3

NCBI Accession No.: NP_001001431

Synonyms: CMH2, CMPD2, cTnT, RCM3, TnTC

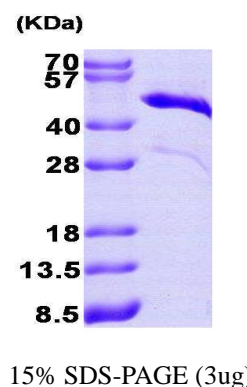
Description: Troponin T, also known as TNNT2, is the tropomyosin-binding subunit of the troponin complex, which is located on the thin filament of striated muscles and regulates muscle contraction in response to alterations in intracellular calcium ion concentration. Mutations in this gene have been 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.

Form: Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Molecular Weight: 36.4 kDa (305aa)

Purity: > 90% by SDS - PAGE

Concentration: 1 mg/ml (determined by Bradford assay)



Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MSDIEEVVEE YEEEEQEEAA VEEQEEAAEE DAEAEAEETEE TRAEDEEEEE EAKEAEDGPM EESKPKPRSF
MPNLVPPKIP DGERVDFDDI HRKRMEKDLN ELQALIEAHF ENRKKEEEEL VSLKDRIERR RAERAEQQR I RNEREKERQN RLAEERARRE
EEENRRKAED EARKKKALSN MMHFGGYIQK TERKSGKRQT EREKKKKILA ERKVLVIDH LNEQDLREKA KELWQSIYNL EAEKFDLQEK
FKQQKYEINV LRNRINDNQK VSKTRGKAKV TGRWK

General references:

Yu H., *et al.* (2009), *Proteomics*. **9**(3):504-11.

Morita H., *et al.* (2008). *N Engl J Med*. **358**(18):1899-908.

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

Product information



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.

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