

TNNT2 Human

Description: TNNT2 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 305 amino acids (1-285 a.a.) and having a molecular mass of 36.4 kDa. The TNNT2 is fused to a 20 amino acid His Tag at N-terminus and purified by proprietary chromatographic techniques.

Catalog #: PRPS-710

For research use only.

Synonyms: CMH2, RCM3, TnTC, cTnT, CMPD2, MGC3889, TNNT2, Troponin T- cardiac muscle, Cardiac muscle troponin T, troponin T type 2 (cardiac).

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MSDIEEVVEE YEEEEQEEAA
VEEQEEAAEE DAAEAETEE TRAEDEEEEE EAKEAEDGPM EESKPKPRSF MPNLVPPKIP
DGERVDFDDI HRKRMEKDLN ELQALIEAHF ENRKKEEEEL VSLKDRIERR RAERAEQQRI
RNEREKERQN RLAEERARRE EEENRRKAED EARKKKALSN MMHFGGYIQK TERKSGKRQT
EREKKKKILA ER

Purity: Greater than 90.0% as determined by SDS-PAGE.

Formulation:

The TNNT2 solution contains 20mM Tris pH-8 & 10% glycerol.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

TNNT2 is the tropomyosin-binding 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 concentration. Mutations in TNNT2 gene are related with familial hypertrophic cardiomyopathy as well as with dilated cardiomyopathy. TNNT2 mutation takes part in hypertrophic cardiomyopathy.

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