

32-5101: Recombinant Human Troponin T Type 2, Cardiac Isoform 3

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

Description

Source : Escherichia Coli. 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. 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.

Product Info

Amount : 20 µg
Purification : Greater than 90.0% as determined by SDS-PAGE.
Content : The TNNT2 solution contains 20mM Tris pH-8 & 10% glycerol.
Storage condition : 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.
Amino Acid : MGSSHHHHHH SGLVPRGSH MSDIEEVVEE YEEEEQEEAA VEEQEEAAEE DAEAEAETEE TRAEDEEEEE
EAKAEDGPM EESKPKPRSF MPNLVPPKIP DGERVDFDDI HRKRMEKDLN ELQALIEAHF ENRKKEEEEL
VSLKDRIERR RAERAEQQRI RNEREKERQN RLAEERARRE EEENRRKAED EARKKKALSN MMHFGGYIQK
TERKSGKRQT EREKKKKILA ERRKVLAI DH LNEQLREKA KELWQSIYNL EAEKFDLQEK FKQQKYEINV
LRNRINDNQK VSKTRGKAKV TGRWK.