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32-13486: TNNI3 Human, His

Alternative Name : Troponin I cardiac muscle, Cardiac troponin I, TNNI3, TNNC1, CMH7, RCM1, cTnI, CMD2A, MGC116817.

Description

Source: Escherichia Coli.
Sterile Filtered clear solution.
Troponin I (TnI), troponin T (TnT) and troponin C (TnC) form the troponin complex of the thin filaments of striated muscle. TnI is acts as the inhibitory subunit by blocking actin-myosin interactions and thereby mediating striated muscle relaxation. The TnI subfamily contains 3 genes: TnI-skeletal-fast-twitch, TnI-skeletal-slow-twitch, and TnI-cardiac. The TNNI3 gene encodes the TnI-cardiac protein and is exclusively expressed in cardiac muscle tissues. Mutations in the TNNI3 gene cause familial hypertrophic cardiomyopathy type 7 (CMH7) and familial restrictive cardiomyopathy (RCM).
Recombinant Human TNNI3 protein produced in E.Coli is a full length protein containing a total of 260 amino acids and fused to a 6 His Tag at C-terminus, migrating as a 27kDa band on SDS-PAGE.Purified by proprietary chromatographic technique.

Product Info

Amount :	100 µg / 0.5 mg
Purification :	Protein is >95% pure as determined by 12% PAGE (coomassie staining).
Content :	TNNI3 protein solution in PBS and 25mM arginine.
Storage condition :	TNNI3 although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.