

32-5099: Recombinant Human Troponin I Type 2, His Tag

Alternative Name : AMCD2B,DA2B,FSSV,fsTnl,Troponin I,fast skeletal muscle,Troponin I,fast-twitch isoform.

Description

Source : E.coli. TNNI2 Human Recombinant produced in E. coli is a single polypeptide chain containing 202 amino acids (1-182) and having a molecular mass of 23.5 kDa. TNNI2 is fused to 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Troponin I, fast skeletal muscle (TNNI2), belongs to the troponin I gene family, and a part of the troponin complex including troponin T, troponin C and troponin I subunits. The troponin complex, along with tropomyosin, is responsible for the calcium-dependent regulation of striated muscle contraction. TNNI2 is also suppresses tumor growth in human ovarian carcinoma. Mutations in TNNI2 cause myopathy and distal arthrogyposis type 2B.

Product Info

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| Amount : | 10 µg |
| Purification : | Greater than 90% as determined by SDS-PAGE. |
| Content : | The TNNI2 solution (0.25mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 2M Urea, 20% glycerol and 0.2M NaCl. |
| 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).Avoid multiple freeze-thaw cycles. |
| Amino Acid : | MGSSHHHHHH SSGLVPRGSH MGDEEKRNR ITARRQHLKS VMLQIAATEL EKEESRREAE KQNYLAEHCP PLHIPGSMSE VQELCKQLHA KIDAAEEKY DMEVRVQKTS KELEDMNQKL FDLRGKFKRP PLRRVRMSAD AMLKALLGSK HKVCMDLRAN LKQVKKEDTE KERDLRDVGD WRKNIEEKSG MEGRKKMFES ES. |

