

TNNI2 Human, His

Description: 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.

Catalog #: PRPS-1290

For research use only.

Synonyms: AMCD2B, DA2B, FSSV, fsTnI, Troponin I, fast skeletal muscle, Troponin I, fast-twitch isoform.

Source: E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MGDEEKRNR ITARRQHLKS
VMLQIAATEL EKEESRREAE KQNYLAHCP PLHIPGSMSE VQELCKQLHA KIDAAEEEEKY
DMEVRVQKTS KELEDMNQKL FDLRGKFKRP PLRRVRMSAD AMLKALLGSK HKVCMDLRAN
LKQVKKEDTE KERDLRDVGD WRKNIEEKSG MEGRKKMFES ES.

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:

The TNNI2 solution (0.25mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 2M Urea, 20% glycerol and 0.2M NaCl.

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). Avoid multiple 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:

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 arthrogryposis type 2B.

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