

TNNI1 Human

Description: TNNI1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 207 amino acids (1-187 a.a.) and having a molecular mass of 23.8kDa. TNNI1 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #: PRPS-1276

For research use only.

Synonyms: DKFZp451O223, SSTNI, TNN1, Troponin I, slow skeletal muscle, Troponin I, slow-twitch isoform.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered clear solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MPEVERKPKI TASRKLLLS
LMLAKAKECW EQEHEEREAE KVRylaERIP TLQTRGLSLS ALQDLCRELH AKVEVVDEER
YDIEAKCLHN TREIKDLKLK VMDLRGKFKR PPLRRVRVSA DAMLRALLGS KHKVSMDLRA
NLKSVKKEDT EKERPVEVG DWRKNVEAMSG MEGRKKMFDA AKSPTSQ

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

Formulation:

TNNI1 protein solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M urea and 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). Avoid multiple freeze-thaw cycles.

Usage:

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

Introduction:

Troponin I, (TNNI1) is a member of the troponin I family. Troponin complex has 3 subunits, TNNI1 known as the inhibitory Subunit which prevents the actin-myosin interactions and thus mediating striated muscle relaxation. TNNI1 combines with tropomyosin and regulates calcium sensitivity of striated muscles by structural modifications in actin-myosin complexes.

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