

32-5098: Recombinant Human Troponin I Type 1

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

Description

Source : Escherichia Coli. 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. 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.

Product Info

Amount :	20 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	TNNI1 protein solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M urea and 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). Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MPEVERKPKI TASRKLLLKS LMLAKAKECW EQEHEEREAE KVRylaERIP TLQTRGLSLS ALQDLCRELH AKVEVVDEER YDIEAKCLHN TREIKDLKLK VMDLRGKFKR PPLRRVRVSA DAMLRALLGS KHKVSMDLRA NLKSVKKEDT EKERPVEVGD WRKNVEAMSG MEGRKKMFDA AKSPTSQ

