

TNNI1, 1-187aa, Human, His tag, E.coli

Cat.NO.: TP04270

3th Edition

Synonyms:Troponin I, slow skeletal muscle, DKFZp451O223, SSTNI, TNN1

Description:Troponin I, slow skeletal muscle, also known as TNNI1, belongs to the troponin I family. TNNI1 is the inhibitory subunit of troponin, the thin filament regulatory complex which confers calcium-sensitivity to striated muscle actomyosin ATPase activity. Recombinant human TNNI1 protein, fused to His-tag at N-terminus, was expressed in E.coli.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Molecular Weight:23.8 kDa (207aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMPEVERKPKITASRKLKSLMLAKAKECWEQEHEEREAEKVRVLAERIPTLQTR
GLSLSALQDLCRELHAKVEVVDEERYDIEAKCLHNTREIKDLKLVMDLRGKFKRPLRRVRSADAMLRALLGSKH
KVSMDLRANLKS VKKEDTEKERPVEVGDWRKNVEAMSGMEGRKMFDAAKSPTSQ

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.