

TNNI2, 1-182aa, Human, His tag, E.coli

Cat.NO.: TP04271

3th Edition

Synonyms:Troponin I, fast skeletal muscle, AMCD2B, DA2B, FSSV, fsTnI

Description:Troponin I, fast skeletal muscle, also known as TNNI2, is a member of the troponin I gene family, and a component 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. This protein also suppresses tumor growth in human ovarian carcinoma. Mutations in TNNI2 cause myopathy and distal arthrogyriposis type 2B. Recombinant human TNNI2 protein, fused to His-tag at N-terminus, was expressed in E.coli.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2M Urea, 20% glycerol, 0.2M NaCl

Molecular Weight:23.5 kDa (202aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGDEEKRNRAITARRQHLKSVMLQIAATELEKEESRREAQNYLAEHCPPLHIP
GSMSEVQELCKQLHAKIDAAEEKYDMEVRVQKTSKELEDMNQKLFDLRGKFKRPPLRRVMSADAMKALLGSK
HKVCMDLRANLKQVKKEDTEKERDLRDVGDWRKNIEEKSGMEGRKKMFESES

Purity:> 95% by HPLC

Concentration:0.25 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.