

Recombinant human Troponin I2/TNNI2 protein

Catalog Number: ATGP1810

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-182aa

UniProt No.

P48788

NCBI Accession No.

NP_001139301

Alternative Names

Troponin I fast skeletal muscle, AMCD2B, DA2B, FSSV, fsTnl

PRODUCT SPECIFICATION

Molecular Weight

23.5 kDa (202aa)

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 2M urea, 20% glycerol, 0.2M NaCl

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

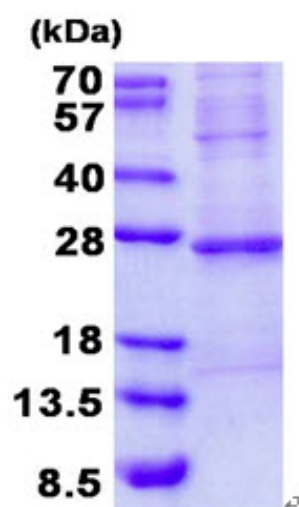
MGSSHHHHHH SSGLVPRGSH MGDEEKRNRA ITARRQHLKS VMLQIAATEL EKEESRREAE KQNYLAEHCP PLHIPGSMSE
VQELCKQLHA KIDAAEEKEY DMEVRVQKTS KELEDMNQKL FDLRGKFKRP PLRRVRMSAD AMLKALLGSK HKVCMDLRAN
LKQVKKEDTE KERDLRDVGD WRKNIEEKSG MEGRKKMFES ES

General References

Ausoni S., et al. (1994) J Biol Chem. 269:339-346.
Potter J D., et al. (1995) J Biol Chem. 270:2557-2562.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)*