

**AR50634PU-S****Human Fast skeletal muscle Troponin I (1-182, His-tag) - Purified****Alternate names:**

TNNI2

**Quantity:**

20 µg

**Concentration:**

0.25 mg/ml (determined by Bradford assay)

**Background:**

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 arthropathy type 2B.

**Uniprot ID:**[P48788](#)**NCBI:**[NP\\_001139301](#)**GeneID:**[7136](#)**Species:**

Human

**Source:**

E. coli

**Format:****State:** Liquid purified protein**Purity:** >90% by SDS - PAGE**Buffer System:** 20 mM Tris-HCl buffer (pH 8.0) containing 2M Urea, 20% glycerol, 0.2M NaCl**Description:**

Recombinant human TNNI2 protein, fused to His-tag at N-terminus, was expressed in E.coli.

**AA Sequence:**

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

**Molecular weight:** 23.5 kDa (202aa)**Storage:**

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

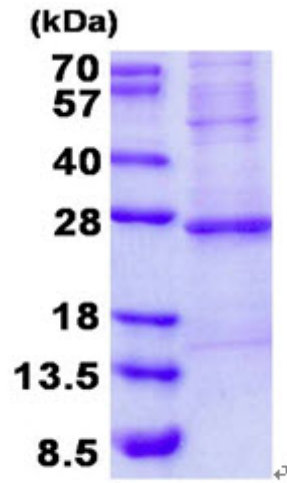
Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

**General Readings:**

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

Pictures:



15% SDS-PAGE (3ug)