

Recombinant human Troponin I1/TNNI1 protein

Catalog Number: ATGP1791

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-187aa

UniProt No.

P19237

NCBI Accession No.

NP_003272.3

Alternative Names

Troponin I1 slow skeletal muscle, Troponin I, slow skeletal muscle, DKFZp4510223, SSTNI, TNN1

PRODUCT SPECIFICATION

Molecular Weight

23.8 kDa (207aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

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

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, 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.

Amino acid Sequence

<MGSSHHHHHH SGLVPRGSH> MPEVERKPKI TASRLLLLKS LMLAKAKECW EQEHEEREAE KVRylaERIP TLQTRGLSLS

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ALQDLCRELH AKVEVVDEER YDIEAKCLHN TREIKDLKLLK VMDLRGKFKR PPLRRVRVSA DAMLRALLGS KHKVSMDLRA
NLKSVKKEDT EKERPVEVGD WRKNVEAMSG MEGRKKMFDA AKSPTSQ

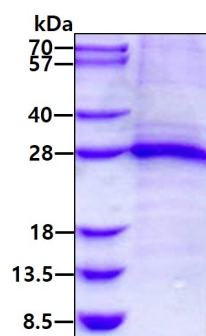
General References

Corin S.J., et al. (1994) J. Biol. Chem. 269:10651-10659

Wade R., et al. (1990) Genomics. 7:346-357

DATA

SDS-PAGE



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