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# 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 SSGLVPRGSH> MPEVERKPKI TASRKLLLKS LMLAKAKECW EQEHEEREAE KVRYLAERIP TLQTRGLSLS



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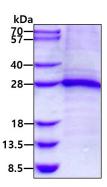
ALQDLCRELH AKVEVVDEER YDIEAKCLHN TREIKDLKLK VMDLRGKFKR PPLRRVRVSA DAMLRALLGS KHKVSMDLRA NLKSVKKEDT EKERPVEVGD WRKNVEAMSG MEGRKKMFDA AKSPTSQ

## **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.

