

RPD229Hu01 100µg Recombinant Troponin I Type 1, Slow Skeletal (TNNI1) Organism Species: Homo sapiens (Human) Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

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[PROPERTIES]

Source: Prokaryotic expression. Host: *E. coli* Residues: Met1~Asp103 linked with Leu142~Gln187 Tags: N-terminal His-Tag Tissue Specificity: Skeleton Muscle. Purity: >95% Traits: Freeze-dried powder Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300. Original Concentration: 200µg/mL Applications: Positive Control; Immunogen; SDS-PAGE; WB. (May be suitable for use in other assays to be determined by the end user.) Predicted isoelectric point: 9.5 Predicted Molecular Mass: 23.2kDa

Accurate Molecular Mass: 24kDa as determined by SDS-PAGE reducing conditions.

[<u>USAGE</u>]

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

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[SEQUENCE]

MPEVERKPKI TASRKLLLKS LMLAKAKECW EQEHEEREAE KVRYLAERIP TLQTRGLSLS ALQDLCRELH AKVEVVDEER YDIEAKCLHN TREIKDLKLK VMDLKSVKKE DTEKERPVEV GDWRKNVEAM SGMEGRKKMF DAAKSPTSQ

[IDENTIFICATION]

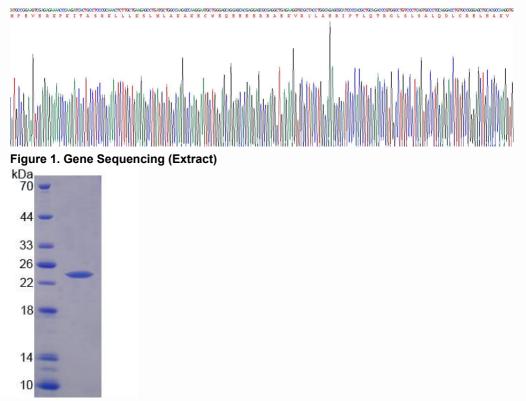


Figure 2. SDS-PAGE