

Recombinant human TNNI3 protein, His

Catalog Number: bs-10877P

AA Seq: 2-210/210

Predicted MW: 23

Detected MW: 34-35 kDa

Tags: His

Activity: Not tested

Endotoxin: Not analyzed

Purity: >95% as determined by SDS-PAGE

Purification: AC

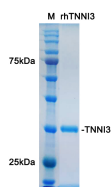
Form: Lyophilized or Liquid

Storage: 20mM Tris-HCl (pH8.0) with 150mM NaCl.

Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.

Background: Troponin I (TnI), along with troponin T (TnT) and troponin C (TnC), is one of 3 subunits that form the troponin complex of the thin filaments of striated muscle. TnI is the inhibitory subunit; blocking actin-myosin interactions and thereby mediating striated muscle relaxation. The TnI subfamily contains three genes: TnI-skeletal-fast-twitch, TnI-skeletal-slow-twitch, and TnI-cardiac. This gene encodes the TnI-cardiac protein and is exclusively expressed in cardiac muscle tissues. Mutations in this gene cause familial hypertrophic cardiomyopathy type 7 (CMH7) and familial restrictive cardiomyopathy (RCM). [provided by RefSeq, Jul 2008]

VALIDATION IMAGES



Recombinant human TNNI3 Protein



The purity of the protein is greater than 30% as determined by reducing SDS-PAGE.

PRODUCT SPECIFIC PUBLICATIONS

[IF=9.221] Yanting Feng. et al. A dual-biomarker-controlled DNA logic platform assisted with multivariate statistical analysis for accurate and high-throughput recognition of cancer cells. SENSOR ACTUAT B-CHEM. 2022 Dec;373:132708 Other ; Other . 10.1016/j.snb.2022.132708

[IF=8.5] Ride Wang. et al. Ultrasensitive Terahertz Label-Free Metasensors Enabled by Quasi-Bound States in the Continuum. Research. 2024 Sep;7 ; . 39329158

[IF=5.711] Ji J et al. Porous hydrogel encapsulated photonic barcodes for multiplex detection of cardiovascular biomarkers. ACS Sens. 2019 Apr 19. Other ; . 30985109