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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

TNNI3 (Human) Recombinant Protein (P01)

Catalog Number: H00007137-P01

Regulation Status: For research use only (RUO)

Product Description: Human TNNI3 full-length ORF (NP_000354, 1 a.a. - 210 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MADGSSDAAREPRPAPAPIRRRSSNYRAYATEPHAKK
KSKISASRKLQLKTLQLQIAKQELEREAEERRGEKGRA
LSTRCQPLELTGLGFAELQDLRQLHARVDKVDDEERY
DIEAKVTKNITEIADLTQKIFDLRGKFKRPTLRRVRISAD
AMMQALLGARAKESLDLRAHLKQVKKEDTEKENREV
GDWRKNIDALSGMEGRKKKFES

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 48.73

Applications: AP, Array, ELISA, WB-Re

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 7137

Gene Symbol: TNNI3

Gene Alias: CMD2A, CMH7, MGC116817, RCM1, TNNC1, cTnI

Gene Summary: 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]