



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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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  
KSKISASRKLQLKTLQLLQIAKQELEREAEERRGEKGRA  
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]