

## Troponin T Type 3, Fast Skeletal (TNNT3) Recombinant Protein | TNNT3 recombinant protein

Recombinant Troponin T Type 3, Fast Skeletal (TNNT3)

|                               |                       |                                           |                                               |
|-------------------------------|-----------------------|-------------------------------------------|-----------------------------------------------|
| CATALOG #<br><b>AAA134463</b> | HOST<br><b>E.coli</b> | REACTIVITY<br><b>Homo sapiens (Human)</b> | APPLICATIONS<br><b>Western Blot, SDS-Page</b> |
|-------------------------------|-----------------------|-------------------------------------------|-----------------------------------------------|

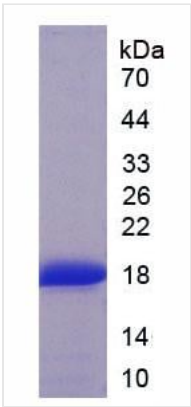
### PRODUCT SYNONYMS

Troponin T Type 3; Fast Skeletal (TNNT3); Recombinant Troponin T Type 3; TNNT3 recombinant protein

### PRODUCT SPECIFICATIONS

|                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                  | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Reactivity                                            | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Purity/Purification                                   | > 97%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Form/Format                                           | 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Concentration                                         | Original Concentration: 200ug/mL (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Applicable Applications for TNNT3 recombinant protein | WB (Western Blot), SDS-PAGE, Immunogen, Positive Control                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Source                                                | Prokaryotic expression                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Residues                                              | Arg147~Lys269                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Tags                                                  | N-terminal His Tag                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Subcellular Location                                  | Secreted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Traits                                                | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Predicted isoelectric point                           | 10.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Usage                                                 | Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Preparation and Storage                               | <b>Storage:</b><br>Avoid repeated freeze/thaw cycles.<br>Store at 2-8 degree C for one month.<br>Aliquot and store at -80 degree C for 12 months.<br><br><b>Stability Test:</b><br>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 degree 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. |

IMAGES



Sequence

RAED  
DLKKKKALSS MGANYSSYLA KADQKRGGKQ TAREMKKKIL AERRKPLNID  
HLGEDKLRDK AKELWETLHQ LEIDKFEFGE KLKRQKYDIT TLRSRIDQAQ  
KHSKKAGTPA KGVGGGRWK

SDS-PAGE

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                            |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 112789536                                                                                                                  |
| NCBI GeneID                      | 7140                                                                                                                       |
| NCBI Accession #                 | NP_001036245.1                                                                                                             |
| NCBI GenBank Nucleotide #        | NM_001042780.2                                                                                                             |
| UniProt Accession #              | P45378; Q12975; Q12976; Q12977; Q12978; Q17RG9; A8MQ76; A8MSW1; B3KPX3; B7WP64; B7ZL26; B7ZVV9                             |
| Molecular Weight                 | Predicted Molecular Mass: 15.6kDa<br>Accurate Molecular Mass: 18kDa as determined by SDS-PAGE reducing conditions.         |
| NCBI Official Full Name          | troponin T, fast skeletal muscle isoform 3                                                                                 |
| NCBI Official Synonym Full Names | troponin T type 3 (skeletal, fast)                                                                                         |
| NCBI Official Symbol             | TNNT3                                                                                                                      |
| NCBI Official Synonym Symbols    | TNTF                                                                                                                       |
| NCBI Protein Information         | troponin T, fast skeletal muscle; fTnT; beta TnTF; beta-TnTF; troponin-T3, skeletal, fast; fast skeletal muscle troponin T |
| UniProt Protein Name             | Troponin T, fast skeletal muscle                                                                                           |
| UniProt Gene Name                | TNNT3                                                                                                                      |
| UniProt Synonym Gene Names       | TnTf; fTnT                                                                                                                 |
| UniProt Entry Name               | TNNT3_HUMAN                                                                                                                |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.