

## Recombinant Human TNNC2 Protein, DDK-tagged

**Cat. No.** TNNC2-153H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                       |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human TNNC2 fused with DDK tag at C-terminal was expressed in Insect cells.                                                                                                                                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | Troponin is the central regulatory protein of striated muscle contraction. Tn consists of three components: Tn-I which is the inhibitor of actomyosin ATPase, Tn-T which contains the binding site for tropomyosin and Tn-C. The binding of calcium to Tn-C abolishes the inhibitory action of Tn on actin filaments. |
| <b>Form</b>             | 50mM Tris-HCl, pH8.0, 100mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                    |
| <b>Molecular Mass</b>   | 18 kDa                                                                                                                                                                                                                                                                                                                |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                           |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method                                                                                                                                                                                                                                                                      |

### GENE INFORMATION

|                        |                                                 |
|------------------------|-------------------------------------------------|
| <b>Gene Name</b>       | TNNC2 troponin C type 2 (fast) [ Homo sapiens ] |
| <b>Official Symbol</b> | TNNC2                                           |

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|-----------------------|----------------------------------------------------------------------------------|
| <b>Synonyms</b>       | TNNC2; troponin C type 2 (fast); troponin C2, fast; troponin C, skeletal muscle; |
| <b>Gene ID</b>        | 7125                                                                             |
| <b>mRNA Refseq</b>    | NM_003279                                                                        |
| <b>Protein Refseq</b> | NP_003270                                                                        |
| <b>MIM</b>            | 191039                                                                           |
| <b>UniProt ID</b>     | P02585                                                                           |

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