



DataSheet

CATALOGUE #: 8IFC20

PRODUCT NAME: Troponin I (fragment 28-110) – troponin C complex, cardiac, human, recombinant chimeric

Source: Expressed in *E. coli*

Description: Synthetic DNA fragment encoding amino acids 28-110 of human cardiac Troponin I (Accession number UniProtKB P19429 (TNNI3_HUMAN)) a (GGGGS)₄ linker and amino acids 2-161 of human cardiac/slow skeletal isoform of Troponin C (Uniprot ID: P63316, TNNC1_HUMAN) was used for recombinant protein expression. May contain additional N-terminal methionine residue (in comparison with native human cardiac troponin I).

Does not contain tags.

Theoretical MW: 29072 Da

Theoretical pI: 4.46

Application: This product is suitable for use as a standard and/or calibrator for cTn assay development

Analysis: Purity >95%.

Purification: Affinity chromatography, ion exchange chromatography

Presentation: 50 mM Tris-HCl, 0.7 M KCl, 5 mM CaCl₂, 0.1% 2-mercaptoethanol, pH 7.5

Storage: -70 °C (-65 ... -80 °C allowed)

Other information: Avoid repeated freezing and thawing. It is recommended to aliquot the product after the first thawing.

Should be diluted in a buffer containing BSA if diluted below 1 mg/ml concentration. Recommended concentration for BSA 7.5%.

Material safety note: This product is sold **for research or further manufacturing use only**. Standard Laboratory Practices should be followed when handling this material.

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