## **Datasheet**

Blood coagulation and Anemia • Bone Metabolism • Cardiac Markers • Fertility and Pregnancy Gangliosides • Hormone Markers • Immunology and Serology • Infectious Diseases • Inflammation Kidney Diseases • Metabolic Syndrome • Microbial and Plant Toxins • Miscellaneous • Neuroscience Thyroid Diseases • Tumor Markers • Veterinary

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 pl: 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 CaCl<sub>2</sub>, 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 This product is sold for research or further manufacturing use only. Standard Laboratory Practices

safety note: should be followed when handling this material.

