

Active Recombinant Human cTnI Protein

Cat. No. Tnni3-1003H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human cardiac troponin I antigen with a C-terminal histidine tag. Predicted molecular weight: 26 kDa.
Species	Human
Source	E.coli
Description	Troponins form a complex of three regulatory proteins (troponin C, I and T) that are integral to muscle contraction in skeletal and cardiac muscles. Serum cardiac troponin tests can be used to help diagnose several different heart disorders, especially myocardial infarction.
Form	Lyophilized
Bio-activity	Anti-h cTnI 9701: + Anti-h cTnI 9703: + Anti-h cTnI 9705: + Anti-h cTnI 9707: + Anti-h cTnI 9708: + Anti-h cTnI 9709: +
Molecular Mass	26 kDa
AA Sequence	MADGSSDAAREPRPAPAPIRRRSSNYRAYATEPHAKKKSKISASRKLQLKTLTLLQIAK QE LEREAEEERRGEKGRALSTRCQPLELAGLGFAELQDLRCQLHARVDKVDDEERYDI EAKVTK NITEIADLTQKIFDLRGKFKRPTLRRVRISADAMMQALLGARAKESLDLRAH LKQVKKED MEKENREVGDWKRNIDALSGMEGRKKKFESESSGGGSLEHHHHHHH H

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Storage	2–8centigrade
Concentration	0.5 mg/ml when reconstituted with 200 µof deionized water
Storage Buffer	50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 8 M urea; containing 3 % sucrose, 2 % Dmannitol, and 0.01 % Tween 20 as stabilizers
Reconstitution	Reconstitute the lyophilized protein with 200 µof deionized water
GENE INFORMATION	
Gene Name	TNNI3 troponin I type 3 (cardiac) [Homo sapiens]
Official Symbol	Tnni3
Synonyms	TNNI3; troponin I type 3 (cardiac); troponin I, cardiac; troponin I, cardiac muscle; CMH7; TNNC1; RCM1; cTnI; CMD2A; CMD1FF; MGC116817;
Gene ID	7137
mRNA Refseq	NM_000363
Protein Refseq	NP_000354
MIM	191044
UniProt ID	P19429

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