

## Active Recombinant Human cTnI Protein

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human cardiac troponin I antigen with a C-terminal histidine tag. Predicted molecular weight: 26 kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	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.
<b>Form</b>	Lyophilized
<b>Bio-activity</b>	Anti-h cTnI 9701: + Anti-h cTnI 9703: + Anti-h cTnI 9705: + Anti-h cTnI 9707: + Anti-h cTnI 9708: + Anti-h cTnI 9709: +
<b>Molecular Mass</b>	26 kDa
<b>AA Sequence</b>	MADGSSDAAREPRPAPAPIRRRSSNYRAYATEPHAKKKSKISASRKLQLKTLTLLQIAK QE LEREAEEERRGEKGRALSTRCQPLELAGLGFELQDLRQLHARVDKVDDEERYDI EAKVTK NITEIADLTQKIFDLRGKFKRPTLRRVRISADAMMQALLGARAKESLDLRAH LKQVKKED MEKENREVGDWKRNIDALSGMEGRKKKFESESSGGGSLEHHHHHHH H

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<b>Storage</b>	2–8centigrade
<b>Concentration</b>	0.5 mg/ml when reconstituted with 200 µof deionized water
<b>Storage Buffer</b>	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
<b>Reconstitution</b>	Reconstitute the lyophilized protein with 200 µof deionized water

## GENE INFORMATION

<b>Gene Name</b>	TNNI3 troponin I type 3 (cardiac) [ Homo sapiens ]
<b>Official Symbol</b>	Tnni3
<b>Synonyms</b>	TNNI3; troponin I type 3 (cardiac); troponin I, cardiac; troponin I, cardiac muscle; CMH7; TNNC1; RCM1; cTnI; CMD2A; CMD1FF; MGC116817;
<b>Gene ID</b>	7137
<b>mRNA Refseq</b>	NM_000363
<b>Protein Refseq</b>	NP_000354
<b>MIM</b>	191044
<b>UniProt ID</b>	P19429

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