

PrimeGene™ Recombinant Human Cardiac muscle troponin T
a biotechne brand (rHucTnT)

PrimeGene Technical Data Sheet

Catalog Number:	601-49
Source:	<i>Escherichia coli</i> .
Molecular Weight:	Approximately 35.8 kDa, a single non-glycosylated polypeptide chain containing 297 amino acids.
Quantity:	5µg/20µg/1000µg
AA Sequence:	SDIEEVVEEY EEEEQEAAV EEEEDWREDE DEQEAAEED AEAEAETEET RAEDEEEEE AKEAEDGPME ESKPKPRFSM PNLVPPKIPD GERVDFDDIH RKRMEKDLNE LQALIEAHFE NRKKEEELV SLKDRIERRR AERAEQQRIR NEREKERQNR LAERARREE EENRRKAEDE ARKKKALSNN MHFGGYIQKQ AQTERKSGKR QTEREKKKKI LAERRKVLAI DHLNEDQLRE KAKELWQSIY NLEAEKFDLQ EKFKQQKYEI NVLRNRINDN QKVSCTRGA KVTGRWK
Purity:	> 98 % by SDS-PAGE and HPLC analyses.
Biological Activity:	Data not available.
Physical Appearance:	Sterile colorless liquid.
Formulation:	Supplied as a 0.2 µm filtered solution in 10 mM Tris-HCl, pH8.0, 250 mM NaCl, with 50% glycerol.
Endotoxin:	Less than 1 EU/µg of rHucTnT as determined by LAL method.
Stability & Storage:	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none">● 6 months from date of receipt, -20 to -70 °C as supplied.● 3 months, -20 to -70 °C under sterile conditions after opening.
Usage:	This material is offered by Shanghai PrimeGene Bio-Tech for research, laboratory or further evaluation purposes. NOT FOR HUMAN USE.

Human Cardiac muscle troponin T

Troponin T is one of three troponin isoforms found in the tropomyosin-troponin complex. This complex is responsible for the calcium sensitivity of the contractile apparatus in the muscle. Cardiac Troponin T is used as a biological marker for cardiomyocytes and its level in serum is frequently used as an indicator of myocardial cell injury.