

**ChemWhat** Recombinant Human Cardiac muscle troponin T  
A brand under Watson (rHucTnT)

**ChemWhat Technical Data Sheet (TDS)**

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

***Human Cardiac muscle troponin T***

Troponin T is one of three troponin isoforms found in the troponin-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.