

Recombinant Human Cardiac muscle troponin T

Information

Gene ID	7139
Accession #	P45379
Alternate Names	
Source	Escherichia coli.
M.Wt	Approximately 35.8 kDa, a single non-glycosylated polypeptide chain containing 297 amino acids.
AA Sequence	SDIEEVVEEY EEEEQEEAAV EEEEDWREDE DEQEEAAEED AEAEATEET RAEEDEEEE AKEAEDGPME ESKPKPRSFM PNLVPPKIPD GERVDFDDIH RKRMEKDLNE LQALIEAHFE NRKKEEEELV SLKDRIERRR AERAEQQRIR NEREKERQNR LAEERARREE EENRRKADE ARKKKALSNM MHFGGYIQKQ AQTERKSGKR QTEREKKKKI LAERRKVLAI DHLNEDQLRE KAKELWQSIY NLEAEKFDLQ EKFKQQKYEI NVLRNRINDN QKVS KTRGKA KVTGRWK
Appearance	Sterile colorless liquid.
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles - 6 months from date of receipt, -20 to -70 °C as supplied - 3 months, -20 to -70 °C under sterile conditions after opening
Formulation	Supplied as a 0.2 µm filtered solution in 10 mM Tris-HCl, pH8.0, 250 mM NaCl, with 50% glycerol.
Reconstitution	
Biological Activity	Data not available.
Shipping Condition	Gel pack.
Handling	Centrifuge the vial prior to opening.
Usage	For Research Use Only! Not to be used in humans.

Components and Storage

Components	5µg	100µg	500µg
Recombinant Human Cardiac muscle troponin T	5µg	100µg	500µg

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- 6 months from date of receipt, -20 to -70 °C as supplied
- 3 months, -20 to -70 °C under sterile conditions after opening

Quality Control

Purity	> 98 % by SDS-PAGE and HPLC analyses.
Endotoxin	Less than 1 EU/μg of rHucTnT as determined by LAL method.

Description

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.

Reference

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