

Recombinant Human Cardiac muscle troponin T

#R00555

Size: 5 µg/100 µg/500 µg

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.



Warning: This product is intended for scientific research only. It is not to be used for medical or diagnostic procedures in humans or animals, nor as a food, cosmetic, or household product.

Background

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.

AA Sequence

SDIEEVVEEYEEEEQEEAAVEEEEDWREDEDEQEEA
AEEDAEAEAETEETRAEEDEEEEEAKEAEDGPMEEs
KPKPRSFMPNLVPPKIPDGERVDFDDIHRKRMEKDLN
ELQALIEAHFENRKKEEEELVSLKDRIERRRAERAEQ
QRIRNEREKERQNRLAEERARREEEENRRKAEDEAR
KKKALSNNMMHFGGYIQKQAQTERKSGKRQTEREKK
KKILAERRKVLAIDHLNEDQLREKAKELWQSIYNLEAE
KFDLQEKFQKQKYEINVLNRNRINDNQKVSCTRGRKAKV
TGRWK

Product Specification

Accession	P45379
GeneID	7139
Species	Human
Source	Escherichia coli.
Molecular Weight	Approximately 35.8 kDa, a single non-glycosylated polypeptide chain containing 297 amino acids.
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.
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