

## Cardiac Troponin I Human Recombinant

<b>Item Number</b>	rAP-2957
<b>Synonyms</b>	Troponin I cardiac muscle, Cardiac troponin I, TNNI3, TNNC1, CMH7, RCM1, cTnI, CMD2A, MGC116817.
<b>Description</b>	Recombinant Human TNNI3 produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 210 amino acids and having a molecular mass of 24,016 Dalton. The TNNI3 is purified by proprietary chromatographic techniques.
<b>Uniprot Accesion Number</b>	P19429
<b>Amino Acid Sequence</b>	MADGSSDAAREPRPAPAPIRRRSSNYRAYATEPHAKKKSKIS- ASRKQLQLKTLQQIAKQELEREAEERRGEKGRALSTRCQPLEAGLGFAELQDLCRQLHARVDKVDEERYD IEAKVTKNITEIADLTQKIFDLRGKFKRPTLRRVRISADAMMQALLGARAKESLDLRAHLKQVKKEDTEKENR EVGDWRKNIDALSGMEGRKKFES.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered colorless liquid formulation. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
<b>Formulation and Purity</b>	TNNI3 solution containing 6M Urea 50mM Tris PH 8. Greater than 98.0% as determined by both:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**