

Cardiac Troponin I Human Recombinant

Item Number	rAP-2957
Synonyms	Troponin I cardiac muscle, Cardiac troponin I, TNNI3, TNNC1, CMH7, RCM1, cTnI, CMD2A, MGC116817.
Description	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.
Uniprot Accession Number	P19429
Amino Acid Sequence	MADGSSDAAREPRPAPAPIRRRSSNYRAYATEPHAKKSKIS- ASRKLQLKLTLLQIAKQELEREAEERRGEKGRALSTRCQPLELAGLGFAELQDLCRQLHARVDKVDDEERYD IEAKVTKNITEIADLTQKIFDLRGKFKRPTLRRVRISADAMMQALLGARAKESLDLRAHLKQVKKEDTEKENR EVGDWRKNIDALSGMEGRKKKFES.
Source	Escherichia Coli.
Physical Appearance and Stability	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.
Formulation and Purity	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.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	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 ender users! This product is sold for **Research Use Only**