

# Recombinant Rabbit Cardiac Troponin C

**Cat. No.** TNC-256R    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Rabbit TNC produced in E.Coli is a single, non-glycosylated, polypeptide chain. The TNC has a molecular mass of 18,020 Dalton. The TNC is purified by proprietary chromatographic techniques.
<b>Species</b>	Rabbit
<b>Source</b>	E.coli
<b>Physical Appearance</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Formulation</b>	Lyophilized from (1mg/ml) solution containing 150mM NaCl, 10mM sodium phosphate and 0.05% NaN <sub>3</sub> pH 7.2.
<b>Purity</b>	Greater than 98.0% as determined by both: (a) Analysis by RP-HPLC. (b) Anion-exchange FPLC. (c) Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel.
<b>Dimers and aggregates</b>	Less than 1% as determined by silver-stained SDS-PAGE gel analysis.
<b>Endotoxin</b>	Less than 0.1 ng/g (IEU/g) of rRTNC.
<b>Protein content</b>	Protein quantitation was carried out by using 1 - 10.0 mg/ml Bradford assay vs. BSA.
<b>Solubility</b>	It is recommended to reconstitute the lyophilized rRTNC in sterile 18MΩ-cm H <sub>2</sub> O not

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less than 100g/ml, which can then be further diluted to other aqueous solutions.

**Stability**

Lyophilized rRTNC although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution rRTNC should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**GENE INFORMATION****Synonyms**

Troponin C; TNNC1; TNC; TN; TN-C; TNNC; GMEM; HXB; JI; MGC167029; Tenascin-C; GP 150-225; Neuronectin; OTTHUMP00000022738; Cardiac Troponin C; Cytotactin; Hexabrachion; Glioma-associated-extracellular matrix antigen; hexabrachion (tenascin); Troponin C type 1 (slow); Myotendinous antigen; hexabrachion (tenascin C, cytotactin); tenascin C; tenascin C (hexabrachion).

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