

## Recombinant Equine Troponin I, Cardiac Muscle (TNNI3), N-His and C-Myc

Cat. No.: AP9C657

Product Type: Animal Proteins

Size: 20 µg; 100 µg; 1 mg

### Product Overview

BioVenic's Recombinant Equine Troponin I, Cardiac Muscle (TNNI3), N-His and C-Myc is a recombinant protein expressed from *E. coli*. Its predicted molecular weight is 30.8 kDa. The purity is >90% (SDS-PAGE).

### Specifications

Type	Recombinant Protein
Species	Equine
Expression System	<i>E. coli</i>
Purity	>90% (SDS-PAGE)
Predicted Molecular Weight	30.8 kDa
Physical State	Lyophilized
Formulation	The buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.

### Target Information

Equine troponin I (cTnI) is a cardiac-specific protein that serves as a biomarker for myocardial injury in horses. It is integral to the regulation of muscle contraction and is crucial for diagnosing cardiac conditions such as myocarditis and cardiac stress in equine veterinary practice.

Protein	Equine Troponin I, Cardiac Muscle (TNNI3)
Gene ID	<a href="#">100034065</a>
UniProt ID	<a href="#">Q5PYI0</a>

### Shipping and Storage

This product is shipped with dry ice. It is recommended to aliquot as needed and store at -80°C upon receipt. Reconstituted protein solution can be stored at 4°C for 1 week, at < -80°C for 12 months. Avoid repeated freezing and thawing.

## User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Aliquot the reconstituted solution to minimise freeze-thaw cycles.

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The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.