

Native Human Troponin Protein

Cat. No. Troponin-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Human Troponin Protein extract from Human cardiac tissue.
Species	Human
Source	Human Cardiac
Description	Troponin I (TnI) is one of three subunits that form the troponin complex of the thin filaments of striated muscle. The troponin complex serves as a calcium-sensitive switch that regulates striated muscle contraction. Troponin I binds actin and inhibits actomyosin ATPase activity in the absence of calcium. It is expressed only in the heart and has proved to be a specific biomarker for heart disease. Cardiac troponin-I is purified by ion-exchange chromatography in conjunction with calcium dependent affinity chromatography on troponin-C agarose.
Molecular Mass	24 kDa
Purity	95%
Storage	At -20 centigrade (avoid repeated freeze thawing)
Concentration	0.25 - 2 mg/ml
Storage Buffer	8 M Urea, 50 mM Tris.HCl, 15 mM - mercaptoethanol, 1 mM EDTA (pH 8.0)

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