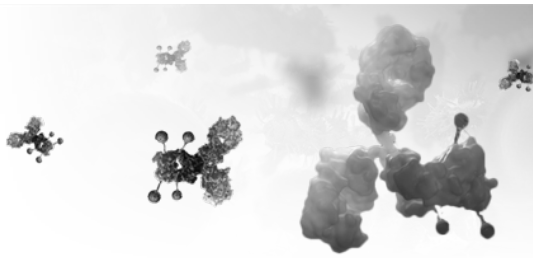

Human cardiac troponin I-T-C complex (DAGA-891)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Three major bands corresponding to Tn-T, Tn-I & Tn-C. Two minor contaminants, one with a molecular weight slightly greater than that of Tn-T and one with a molecular weight between those of Tn-I and Tn-C are apparent.
Purity	> 80% , as determined by SDS-PAGE
Conjugate	Unconjugated
Applications	N/A
Format	Liquid
Size	100 µg
Buffer	Sodium chloride, imidazole, beta-mercaptoethanol, calcium chloride, pH 7.0
Preservative	0.025% sodium azide
Storage	Store at -20°C. Avoid multiple freeze/thaw cycles.

BACKGROUND

Introduction	Troponin complex is a heteromeric protein playing an important role in the regulation of skeletal and cardiac muscle contraction. Troponin complex consists of three different subunits: troponin T (TnT), troponin I (TnI) and troponin C (TnC). Each subunit is responsible for a part of troponin complex function. TnT is a tropomyosin-binding subunit which regulates the interaction of troponin complex with thin filaments; TnI inhibits ATP-ase activity of acto-myosin; TnC is a Ca2+ - binding subunit, playing the main role in Ca2+ dependent regulation of muscle contraction.

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Keywords	Cardiac Troponin C+I+T Complex Protein; Troponin Complex Protein; Cardiac Troponin C/I/T Protein; Human Heart

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