

## Product datasheet for **BA628**

### Cardiac Troponin T Human Protein

#### Product data:

Product Type:	Native Proteins
Description:	Cardiac Troponin T human protein, 50 µg
Species:	Human
Protein Source:	Cardiac muscle
Concentration:	lot specific
Purity:	>98% pure by SDS-PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: Urea/Tris buffer, pH 7.5 (7 M Urea, 5 mM EDTA, 15 mM Mercaptoethanol, 20 mM Tris)
Preparation:	Liquid purified protein
Applications:	ELISA.
Protein Description:	Purified Human cardiac Troponin T, also known as cTnT. Immunological identity has been confirmed by reaction with a monoclonal antibody specific for Troponin T cardiac isoform.
Note:	Caution: The blood of the tissue donor for this product was tested and found negative for antibodies to HBsAg, and HIV- and HIV-2 antibodies and HVC. Nevertheless, all products from human sources should be handled as potentially infectious.
Storage:	Store the product undiluted at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_000355</a>
Locus ID:	7139
Cytogenetics:	1q32.1
Synonyms:	cTnT, TnTc, TNNT2



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**Summary:**

The protein encoded by this gene is the tropomyosin-binding subunit of the troponin complex, which is located on the thin filament of striated muscles and regulates muscle contraction in response to alterations in intracellular calcium ion concentration. Mutations in this gene have been associated with familial hypertrophic cardiomyopathy as well as with dilated cardiomyopathy. Transcripts for this gene undergo alternative splicing that results in many tissue-specific isoforms, however, the full-length nature of some of these variants has not yet been determined. [provided by RefSeq, Jul 2008]

**Protein Families:**

ELISA.

**Protein Pathways:**

Cardiac muscle contraction, Dilated cardiomyopathy, Hypertrophic cardiomyopathy (HCM)