

## Product datasheet for **RC202754L4V**

### Troponin C (TNNC2) (NM\_003279) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Troponin C (TNNC2) (NM_003279) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Troponin C
Synonyms:	CFAP85; FAP85
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_003279
ORF Size:	480 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC202754).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_003279.2</a>
RefSeq Size:	698 bp
RefSeq ORF:	483 bp
Locus ID:	7125
UniProt ID:	<a href="#">P02585</a>
Cytogenetics:	20q13.12
Domains:	EFh
Protein Pathways:	Calcium signaling pathway



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**MW:** 18.1 kDa

**Gene Summary:** Troponin (Tn), a key protein complex in the regulation of striated muscle contraction, is composed of 3 subunits. The Tn-I subunit inhibits actomyosin ATPase, the Tn-T subunit binds tropomyosin and Tn-C, while the Tn-C subunit binds calcium and overcomes the inhibitory action of the troponin complex on actin filaments. The protein encoded by this gene is the Tn-C subunit. [provided by RefSeq, Jul 2008]