

## Product datasheet for **MR203634L3V**

### Trdn (BC034343) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Trdn (BC034343) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Trdn
Synonyms:	TDN, triadin-1, triadin-2, triadin-3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	BC034343
ORF Size:	816 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR203634).
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="#">BC034343.1</a>
RefSeq Size:	1045 bp
RefSeq ORF:	818 bp
Locus ID:	76757
Cytogenetics:	10 A4



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**Gene Summary:**

Contributes to the regulation of lumenal Ca<sup>2+</sup> release via the sarcoplasmic reticulum calcium release channels RYR1 and RYR2, a key step in triggering skeletal and heart muscle contraction. Required for normal organization of the triad junction, where T-tubules and the sarcoplasmic reticulum terminal cisternae are in close contact. Required for normal skeletal muscle strength (PubMed:19843516). Plays a role in excitation-contraction coupling in the heart and in regulating the rate of heart beats.[UniProtKB/Swiss-Prot Function]