

Product datasheet for **RR200143L4V**

Tdrd5 (NM_001134740) Rat Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Tdrd5 (NM_001134740) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Tdrd5
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001134740
ORF Size:	2985 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR200143).
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. More info
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:	NM_001134740.1 , NP_001128212.1
RefSeq Size:	3303 bp
RefSeq ORF:	2988 bp
Locus ID:	289129
UniProt ID:	B4F7C4
Cytogenetics:	13q22



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Gene Summary:

This gene encodes a member of the tudor domain-containing protein family. Tudor domain-containing proteins regulate a variety of processes including RNA metabolism, histone modification, and the DNA damage response. The tudor domain commonly functions to link methylated arginine or lysine marks to downstream effector proteins. In mouse, this gene is expressed in the primordial germ cells and in male germ cells during embryogenesis. In addition, it is expressed in adult testis cells where the protein is a component of the intermitochondrial cement and chromatoid bodies. Loss-of-function mutations in mouse result in arrest of spermatogenesis. [provided by RefSeq, Mar 2015]