

## Product datasheet for **RC218619L4V**

### TDRD5 (NM\_173533) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	TDRD5 (NM_173533) Human Tagged ORF Clone Lentiviral Particle
Symbol:	TDRD5
Synonyms:	TUDOR3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_173533
ORF Size:	2943 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC218619).
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_173533.2</a> , <a href="#">NP_775804.2</a>
RefSeq Size:	3516 bp
RefSeq ORF:	2946 bp
Locus ID:	163589
UniProt ID:	<a href="#">Q8NAT2</a>
Cytogenetics:	1q25.2
Domains:	TUDOR, TUDOR
MW:	109.6 kDa



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**Gene Summary:**

Required during spermiogenesis to participate in the repression transposable elements and prevent their mobilization, which is essential for the germline integrity. Probably acts via the piRNA metabolic process, which mediates the repression of transposable elements during meiosis by forming complexes composed of piRNAs and Piwi proteins and govern the methylation and subsequent repression of transposons. Required for chromatoid body (CB) assembly (By similarity).[UniProtKB/Swiss-Prot Function]