

Product datasheet for **RC217780L3V**

TDRKH (NM_001083964) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | TDRKH (NM_001083964) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | TDRKH |
| Synonyms: | TDRD2 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| Tag: | Myc-DDK |
| ACCN: | NM_001083964 |
| ORF Size: | 1548 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC217780). |
| 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_001083964.1 , NP_001077433.1 |
| RefSeq Size: | 2719 bp |
| RefSeq ORF: | 1551 bp |
| Locus ID: | 11022 |
| UniProt ID: | Q9Y2W6 |
| Cytogenetics: | 1q21.3 |
| Protein Families: | Transmembrane |
| MW: | 57 kDa |



[View online »](#)

Gene Summary:

Participates in the primary piRNA biogenesis pathway and is required during spermatogenesis to repress transposable elements and prevent their mobilization, which is essential for the germline integrity. The piRNA metabolic process 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 the final steps of primary piRNA biogenesis by participating in the processing of 31-37 nt intermediates into mature piRNAs. May act in pi-bodies and piP-bodies by transferring piRNA precursors or intermediates to or between these granules.[UniProtKB/Swiss-Prot Function]