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Product datasheet for MR222451L4V

Tex19.2 (NM_027622) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Symbol:	Tex19.2
Synonyms:	4921530G04Rik; Tex19b
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_027622
ORF Size:	951 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR222451).
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_027622.3, NP_081898.1
RefSeq Size:	2046 bp
RefSeq ORF:	954 bp
Locus ID:	70956
UniProt ID:	Q9D5S1, B2RUP5
Cytogenetics:	11 E2

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Gene Summary: May be required during spermatogenesis, probably by participating in the repression of retrotransposable elements and prevent their mobilization (Probable). With its paralog, Tex19.1, collaborates with the Piwi-interacting RNA (piRNA) pathway, which mediates the repression of transposable elements during meiosis by forming complexes composed of piRNAs and Piwi proteins. Interacts with Piwi proteins and directly binds piRNAs, a class of 24 to 30 nucleotide RNAs that are generated by a Dicer-independent mechanism and are primarily derived from transposons and other repeated sequence elements (PubMed:28254886).[UniProtKB/Swiss-Prot Function]

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