

## Product datasheet for **MR224725L4V**

### Trim71 (NM\_001042503) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Trim71 (NM_001042503) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Trim71
Synonyms:	636931; 2610206G21Rik; AL022943; Gm1127; lin-41; Lin41; mlin-41; mLin41
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001042503
ORF Size:	2565 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR224725).
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_001042503.2</a> , <a href="#">NP_001035968.1</a>
RefSeq Size:	5197 bp
RefSeq ORF:	2568 bp
Locus ID:	636931
UniProt ID:	<a href="#">Q1PSW8</a>
Cytogenetics:	9 F3



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**Gene Summary:**

E3 ubiquitin-protein ligase that cooperates with the microRNAs (miRNAs) machinery and promotes embryonic stem cells proliferation and maintenance (PubMed:19898466). Binds to miRNAs and associates with AGO2, participating in post-transcriptional repression of transcripts such as CDKN1A. Facilitates the G1-S transition to promote rapid embryonic stem cell self-renewal by repressing CDKN1A expression (PubMed:22735451). In addition, participates in post-transcriptional mRNA repression in a miRNA independent mechanism (PubMed:23125361). Required to maintain proliferation and prevent premature differentiation of neural progenitor cells during early neural development: positively regulates FGF signaling by controlling the stability of SHCBP1 (PubMed:22735451). Specific regulator of miRNA biogenesis. miRNA Binds MIR29A hairpin and postranscriptionally modulates MIR29A levels, which indirectly regulates TET proteins expression (By similarity). [UniProtKB/Swiss-Prot Function]