

## Product datasheet for **MR225262L2V**

### Trpc7 (NM\_012035) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Trpc7 (NM_012035) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Trpc7
Synonyms:	TR; TRP7; Trrp8
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_012035
ORF Size:	2583 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR225262).
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_012035.3</a> , <a href="#">NP_036165.1</a>
RefSeq Size:	3550 bp
RefSeq ORF:	2589 bp
Locus ID:	26946
UniProt ID:	<a href="#">Q9WVC5</a>
Cytogenetics:	13 B1



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**Gene Summary:**

The protein encoded by this gene is a member of the transient receptor potential channel family of proteins, which form six-transmembrane cation-permeable channels that are calcium permeant. Knock out mice are viable but display a reduction in the gamma wave activity that precedes seizure induction in response to a muscarinic agonist, suggesting a functional role for this protein in initiation of seizures. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2014]