

Product datasheet for **MR216360L4V**

Tmtc3 (NM_001110013) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Symbol:	Tmtc3
Synonyms:	9130014E20Rik; B130008E12Rik; mSmile
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001110013
ORF Size:	2760 bp

ORF Nucleotide Sequence: The ORF insert of this clone is exactly the same as(MR216360).

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_001110013.1 , NP_001103483.1
RefSeq Size:	5990 bp
RefSeq ORF:	2763 bp
Locus ID:	237500
UniProt ID:	Q8BRH0
Cytogenetics:	10 D1



Gene Summary:

Transfers mannosyl residues to the hydroxyl group of serine or threonine residues. The 4 members of the TMTC family are O-mannosyl-transferases dedicated primarily to the cadherin superfamily, each member seems to have a distinct role in decorating the cadherin domains with O-linked mannose glycans at specific regions. Also acts as O-mannosyl-transferase on other proteins such as PDIA3. Involved in the positive regulation of proteasomal protein degradation in the endoplasmic reticulum (ER), and the control of ER stress response. [UniProtKB/Swiss-Prot Function]