

Product datasheet for **MR201624L4V**

Tmem47 (NM_138751) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Tmem47 (NM_138751) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Tmem47
Synonyms:	3010015F07Rik; AI115536; BCMP1; Tm4sf10
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_138751
ORF Size:	543 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR201624).
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_138751.2 , NP_620090.1
RefSeq Size:	4082 bp
RefSeq ORF:	546 bp
Locus ID:	192216
UniProt ID:	Q9JIG6
Cytogenetics:	X B



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Gene Summary:

Regulates cell junction organization in epithelial cells. May play a role in the transition from adherens junction to tight junction assembly. May regulate F-actin polymerization required for tight junctional localization dynamics and affect the junctional localization of PARD6B (PubMed:26990309). During podocyte differentiation may negatively regulate activity of FYN and subsequently the abundance of nephrin (PubMed:21881001).[UniProtKB/Swiss-Prot Function]