

Product datasheet for **MR222769L4V**

Amer1 (NM_175179) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Amer1 (NM_175179) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Amer1
Synonyms:	2810002O09Rik; AW492303; Fam123b; Wtx
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_175179
ORF Size:	3396 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR222769).
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_175179.4 , NP_780388.2
RefSeq Size:	8476 bp
RefSeq ORF:	3399 bp
Locus ID:	72345
UniProt ID:	Q7TS75
Cytogenetics:	X C3



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Gene Summary:

Regulator of the canonical Wnt signaling pathway. Acts by specifically binding phosphatidylinositol 4,5-bisphosphate (PtdIns(4,5)P₂), translocating to the cell membrane and interacting with key regulators of the canonical Wnt signaling pathway, such as components of the beta-catenin destruction complex. Acts both as a positive and negative regulator of the Wnt signaling pathway, depending on the context: acts as a positive regulator by promoting LRP6 phosphorylation. Also acts as a negative regulator by acting as a scaffold protein for the beta-catenin destruction complex and promoting stabilization of Axin at the cell membrane. Promotes CTNNB1 ubiquitination and degradation. Involved in kidney development (By similarity).[UniProtKB/Swiss-Prot Function]