

## Product datasheet for MR210296L4

### Sarm1 (NM\_172795) Mouse Tagged Lenti ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sarm1 (NM_172795) Mouse Tagged Lenti ORF Clone
Tag:	mGFP
Symbol:	Sarm1
Synonyms:	A830091115Rik; C78606; MyD885; Sarm
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR210296).
Restriction Sites:	SgfI-MluI
Cloning Scheme:	

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF.



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Locus ID: 237868

UniProt ID: [Q6PDS3](#)

Cytogenetics: 11 46.74 cM

**Gene Summary:** Negative regulator of MYD88- and TRIF-dependent toll-like receptor signaling pathway which plays a pivotal role in activating axonal degeneration following injury. Promotes Wallerian degeneration an injury-induced axonal death pathway which involves degeneration of an axon distal to the injury site. Can activate neuronal death in response to stress. Regulates dendritic arborization through the MAPK4-JNK pathway. Involved in innate immune response. Inhibits both TICAM1/TRIF- and MYD88-dependent activation of JUN/AP-1, TRIF-dependent activation of NF-kappa-B and IRF3, and the phosphorylation of MAPK14/p38. Can restrict West Nile virus (WNV) pathogenesis.[UniProtKB/Swiss-Prot Function]