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Product datasheet for MR204691L3V

Tmem59 (NM_029565) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Tmem59 (NM_029565) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Tmem59
Synonyms:	1110001M20Rik; 3110046P06Rik; AI256529; D4Ertd20e; MTDCF1; ORF18
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_029565
ORF Size:	972 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(MR204691).`
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_029565.2
RefSeq Size:	1562 bp
RefSeq ORF:	972 bp
Locus ID:	56374
UniProt ID:	Q9QY73
Cytogenetics:	4 50.12 cM

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Gene Summary: Acts as a regulator of autophagy in response to S.aureus infection by promoting activation of LC3 (MAP1LC3A, MAP1LC3B or MAP1LC3C). Acts by interacting with ATG16L1, leading to promote a functional complex between LC3 and ATG16L1 and promoting LC3 lipidation and subsequent activation of autophagy. Modulates the O-glycosylation and complex N-glycosylation steps occurring during the Golgi maturation of several proteins such as APP, BACE1, SEAP or PRNP. Inhibits APP transport to the cell surface and further shedding. [UniProtKB/Swiss-Prot Function]