

## Product datasheet for **MR208816L4V**

### Mon1a (NM\_028369) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Mon1a (NM_028369) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Mon1a
Synonyms:	2810468K17Rik
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_028369
ORF Size:	1671 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR208816).
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. <a href="#">More info</a>
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:	<a href="#">NM_028369.1</a> , <a href="#">NP_082645.1</a>
RefSeq Size:	2112 bp
RefSeq ORF:	1671 bp
Locus ID:	72825
UniProt ID:	<a href="#">Q6PDG8</a>
Cytogenetics:	9 F1



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**Gene Summary:**

Plays an important role in membrane trafficking through the secretory apparatus. Not involved in endocytic trafficking to lysosomes (PubMed:17632513). Acts in concert with CCZ1, as a guanine exchange factor (GEF) for RAB7, promotes the exchange of GDP to GTP, converting it from an inactive GDP-bound form into an active GTP-bound form (By similarity). [UniProtKB/Swiss-Prot Function]