

## Product datasheet for **MR208354L3V**

### Fam126a (NM\_053090) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

|                                  |                                      |
|----------------------------------|--------------------------------------|
| <b>Product Type:</b>             | Lentiviral Particles                 |
| <b>Symbol:</b>                   | Fam126a                              |
| <b>Synonyms:</b>                 | AB030242; Drctnbl1a                  |
| <b>Mammalian Cell Selection:</b> | Puromycin                            |
| <b>Vector:</b>                   | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| <b>Tag:</b>                      | Myc-DDK                              |
| <b>ACCN:</b>                     | NM_053090                            |
| <b>ORF Size:</b>                 | 1563 bp                              |

**ORF Nucleotide Sequence:** The ORF insert of this clone is exactly the same as(MR208354).

**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.

|                      |                             |
|----------------------|-----------------------------|
| <b>RefSeq:</b>       | <a href="#">NM_053090.2</a> |
| <b>RefSeq Size:</b>  | 5652 bp                     |
| <b>RefSeq ORF:</b>   | 1566 bp                     |
| <b>Locus ID:</b>     | 84652                       |
| <b>UniProt ID:</b>   | <a href="#">Q6P9N1</a>      |
| <b>Cytogenetics:</b> | 5 A3                        |



**Gene Summary:**

Component of a complex required to localize phosphatidylinositol 4-kinase (PI4K) to the plasma membrane. The complex acts as a regulator of phosphatidylinositol 4-phosphate (PtdIns(4)P) synthesis. FAM126A plays a key role in oligodendrocytes formation, a cell type with expanded plasma membrane that requires generation of PtdIns(4)P. Its role in oligodendrocytes formation probably explains its importance in myelination of the central and peripheral nervous system. May also have a role in the beta-catenin/Lef signaling pathway. [UniProtKB/Swiss-Prot Function]