

Product datasheet for **MR209876L4V**

Sema7a (NM_011352) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | Sema7a (NM_011352) Mouse Tagged ORF Clone Lentiviral Particle |
| Symbol: | Sema7a |
| Synonyms: | 2900057C09Rik; CDw108; H-Sema-L; M-Sema-L; Semal |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_011352 |
| ORF Size: | 1992 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(MR209876). |
| 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_011352.2 |
| RefSeq Size: | 3290 bp |
| RefSeq ORF: | 1995 bp |
| Locus ID: | 20361 |
| UniProt ID: | Q9QUR8 |
| Cytogenetics: | 9 B |



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Gene Summary:

Plays an important role in integrin-mediated signaling and functions both in regulating cell migration and immune responses. Promotes formation of focal adhesion complexes, activation of the protein kinase PTK2/FAK1 and subsequent phosphorylation of MAPK1 and MAPK3. Promotes production of proinflammatory cytokines by monocytes and macrophages. Plays an important role in modulating inflammation and T-cell-mediated immune responses. Promotes axon growth in the embryonic olfactory bulb. Promotes attachment, spreading and dendrite outgrowth in melanocytes.[UniProtKB/Swiss-Prot Function]