

Product datasheet for **MR225616L4V**

Prom1 (NM_001163578) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | Prom1 (NM_001163578) Mouse Tagged ORF Clone Lentiviral Particle |
| Symbol: | Prom1 |
| Synonyms: | 4932416E19Rik; AC133; CD133; Prom; Prom-1; Proml1 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_001163578 |
| ORF Size: | 2502 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(MR225616). |
| 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_001163578.1 , NP_001157050.1 |
| RefSeq Size: | 2728 bp |
| RefSeq ORF: | 2505 bp |
| Locus ID: | 19126 |
| UniProt ID: | O54990 |
| Cytogenetics: | 5 B3 |



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Gene Summary:

May play a role in cell differentiation, proliferation and apoptosis. Binds cholesterol in cholesterol-containing plasma membrane microdomains and may play a role in the organization of the apical plasma membrane in epithelial cells. During early retinal development acts as a key regulator of disk morphogenesis (PubMed:19228982). Involved in regulation of MAPK and Akt signaling pathways. In neuroblastoma cells suppresses cell differentiation such as neurite outgrowth in a RET-dependent manner.[UniProtKB/Swiss-Prot Function]