

## Product datasheet for **RC205371L1V**

### Neuronal membrane glycoprotein M6 a (GPM6A) (NM\_201591) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | Neuronal membrane glycoprotein M6 a (GPM6A) (NM_201591) Human Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | Neuronal membrane glycoprotein M6 a  |
| Synonyms:                 | GPM6; M6A  |
| Mammalian Cell Selection: | None   |
| Vector:                   | pLenti-C-Myc-DDK (PS100064)  |
| Tag:                      | Myc-DDK  |
| ACCN:                     | NM_201591  |
| ORF Size:                 | 834 bp   |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC205371).   |
| 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_201591.1</a>  |
| RefSeq Size:              | 3697 bp  |
| RefSeq ORF:               | 837 bp   |
| Locus ID:                 | 2823   |
| UniProt ID:               | <a href="#">P51674</a>   |
| Cytogenetics:             | 4q34.2   |
| Protein Families:         | Transmembrane  |



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**MW:** 31.2 kDa

**Gene Summary:** Involved in neuronal differentiation, including differentiation and migration of neuronal stem cells. Plays a role in neuronal plasticity and is involved in neurite and filopodia outgrowth, filopodia motility and probably synapse formation. GPM6A-induced filopodia formation involves mitogen-activated protein kinase (MAPK) and Src signaling pathways. May be involved in neuronal NGF-dependent Ca(2+) influx. May be involved in regulation of endocytosis and intracellular trafficking of G-protein-coupled receptors (GPCRs); enhances internalization and recycling of mu-type opioid receptor.[UniProtKB/Swiss-Prot Function]