

Product datasheet for **RC205432L3V**

Neuronal membrane glycoprotein M6 a (GPM6A) (NM_005277) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Neuronal membrane glycoprotein M6 a (GPM6A) (NM_005277) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Neuronal membrane glycoprotein M6 a
Synonyms:	GPM6; M6A
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_005277
ORF Size:	834 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC205432).
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_005277.3
RefSeq Size:	3215 bp
RefSeq ORF:	837 bp
Locus ID:	2823
UniProt ID:	P51674
Cytogenetics:	4q34.2
Domains:	Myelin_PLP



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Protein Families: Transmembrane

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]