

Product datasheet for **MR201058L4V**

Pde6d (NM_008801) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Pde6d (NM_008801) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Pde6d
Synonyms:	AI841218; PrBP/delta
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_008801
ORF Size:	453 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR201058).
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_008801.2
RefSeq Size:	1109 bp
RefSeq ORF:	453 bp
Locus ID:	18582
UniProt ID:	O55057
Cytogenetics:	1 C5



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Gene Summary:

Promotes the release of prenylated target proteins from cellular membranes (PubMed:22179043). Modulates the activity of prenylated or palmitoylated Ras family members by regulating their subcellular location (PubMed:22179043). Required for normal ciliary targeting of farnesylated target proteins, such as INPP5E (By similarity). Modulates the subcellular location of target proteins by acting as a GTP specific dissociation inhibitor (GDI) (PubMed:22179043). Increases the affinity of ARL3 for GTP by several orders of magnitude. Stabilizes ARL3-GTP by decreasing the nucleotide dissociation rate.[UniProtKB/Swiss-Prot Function]