

Product datasheet for **MR226938L4V**

Pde8a (NM_008803) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Pde8a (NM_008803) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Pde8a
Synonyms:	AI551852; Pde8
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_008803
ORF Size:	2469 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR226938).
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_008803.2
RefSeq Size:	2683 bp
RefSeq ORF:	2472 bp
Locus ID:	18584
UniProt ID:	O88502
Cytogenetics:	7 D3



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Gene Summary:

Hydrolyzes the second messenger cAMP, which is a key regulator of many important physiological processes. May be involved in maintaining basal levels of the cyclic nucleotide and/or in the cAMP regulation of germ cell development. Binding to RAF1 reduces RAF1 'Ser-259' inhibitory-phosphorylation and stimulates RAF1-dependent EGF-activated ERK-signaling. Protects against cell death induced by hydrogen peroxide and staurosporine.
[UniProtKB/Swiss-Prot Function]