

Product datasheet for **MR226938L3V**

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-Myc-DDK-P2A-Puro (PS100092) |
| Tag: | Myc-DDK |
| 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]