

Product datasheet for **MR225520L4V**

Pde10a (NM_011866) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Pde10a (NM_011866) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Pde10a
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_011866
ORF Size:	2388 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR225520).
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_011866.2 , NP_035996.2
RefSeq Size:	7717 bp
RefSeq ORF:	2391 bp
Locus ID:	23984
UniProt ID:	Q8CA95
Cytogenetics:	17 A1



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Gene Summary:

Plays a role in signal transduction by regulating the intracellular concentration of cyclic nucleotides. Can hydrolyze both cAMP and cGMP, but has higher affinity for cAMP and is more efficient with cAMP as substrate. May play a critical role in regulating cAMP and cGMP levels in the striatum, a region of the brain that contributes to the control of movement and cognition.[UniProtKB/Swiss-Prot Function]