

Product datasheet for **MR211245L4V**

Dgkq (NM_199011) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Dgkq (NM_199011) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Dgkq
Synonyms:	110kDa; DAGK; Dagk4; DAGK7; Dgkd
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_199011
ORF Size:	2805 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR211245).
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_199011.1
RefSeq Size:	4612 bp
RefSeq ORF:	2805 bp
Locus ID:	110524
UniProt ID:	Q6P5E8
Cytogenetics:	5 53.24 cM



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Gene Summary:

Phosphorylates diacylglycerol (DAG) to generate phosphatidic acid (PA). May regulate the activity of protein kinase C by controlling the balance between these two signaling lipids. Activated in the nucleus in response to alpha-thrombin and nerve growth factor (By similarity). May be involved in cAMP-induced activation of NR5A1 and subsequent steroidogenic gene transcription by delivering PA as ligand for NR5A1. Acts synergistically with NR5A1 on CYP17 transcriptional activity (By similarity).[UniProtKB/Swiss-Prot Function]