

## Product datasheet for **MR215309L3V**

### Dgkd (NM\_177646) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Dgkd (NM_177646) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Dgkd
Synonyms:	AI841987; D330025K09; dgkd-2; DGKdelta
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_177646
ORF Size:	3660 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR215309).
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. <a href="#">More info</a>
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:	<a href="#">NM_177646.3</a> , <a href="#">NP_808314.2</a>
RefSeq Size:	5694 bp
RefSeq ORF:	3663 bp
Locus ID:	227333
UniProt ID:	<a href="#">E9PUQ8</a>
Cytogenetics:	1 D



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**Gene Summary:**

Diacylglycerol kinase that converts diacylglycerol/DAG into phosphatidic acid/phosphatidate/PA and regulates the respective levels of these two bioactive lipids (PubMed:17021016). Thereby, acts as a central switch between the signaling pathways activated by these second messengers with different cellular targets and opposite effects in numerous biological processes (PubMed:17021016). By controlling the levels of diacylglycerol, regulates for instance the PKC and EGF receptor signaling pathways and plays a crucial role during development (PubMed:17021016). May also regulate clathrin-dependent endocytosis (By similarity).[UniProtKB/Swiss-Prot Function]