

## Product datasheet for **RC217608L2V**

### Germinal Center Kinase (MAP4K2) (NM\_004579) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Germinal Center Kinase (MAP4K2) (NM_004579) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Germinal Center Kinase
Synonyms:	BL44; GCK; RAB8IP
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_004579
ORF Size:	2460 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC217608).
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_004579.2</a>
RefSeq Size:	2964 bp
RefSeq ORF:	2463 bp
Locus ID:	5871
UniProt ID:	<a href="#">Q12851</a>
Cytogenetics:	11q13.1
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	MAPK signaling pathway



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**MW:** 91.4 kDa

**Gene Summary:** The protein encoded by this gene is a member of the serine/threonine protein kinase family. Although this kinase is found in many tissues, its expression in lymphoid follicles is restricted to the cells of germinal centre, where it may participate in B-cell differentiation. This kinase can be activated by TNF-alpha, and has been shown to specifically activate MAP kinases. This kinase is also found to interact with TNF receptor-associated factor 2 (TRAF2), which is involved in the activation of MAP3K1/MEKK1. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2015]