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Product datasheet for RC222797L3V

SGK196 (POMK) (NM_032237) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	SGK196 (POMK) (NM_032237) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SGK196
Synonyms:	MDDGA12; MDDGC12; SGK196
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_032237
ORF Size:	1050 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC222797).
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_032237.2
RefSeq Size:	1623 bp
RefSeq ORF:	1053 bp
Locus ID:	84197
UniProt ID:	Q9H5K3
Cytogenetics:	8p11.21
Protein Families:	Druggable Genome, Protein Kinase, Transmembrane
MW:	40 kDa

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Gene Summary: This gene encodes a protein that may be involved in the presentation of the laminin-binding O-linked carbohydrate chain of alpha-dystroglycan (a-DG), which forms transmembrane linkages between the extracellular matrix and the exoskeleton. Some pathogens use this O-linked carbohydrate unit for host entry. Loss of function compound heterozygous mutations in this gene were found in a human patient affected by the Walker-Warburg syndrome (WWS) phenotype. Mice lacking this gene contain misplaced neurons (heterotopia) in some regions of the brain, possibly from defects in neuronal migration. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, May 2013]