

## Product datasheet for **RC201535L4V**

### SGK1 (NM\_005627) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	SGK1 (NM_005627) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SGK1
Synonyms:	SGK
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_005627
ORF Size:	1293 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC201535).
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_005627.2</a>
RefSeq Size:	2414 bp
RefSeq ORF:	1296 bp
Locus ID:	6446
UniProt ID:	<a href="#">O00141</a>
Cytogenetics:	6q23.2
Domains:	ppinase, S_TK_X, TyrKc, S_TKc
Protein Families:	Druggable Genome, Protein Kinase


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**MW:** 48.9 kDa

**Gene Summary:** This gene encodes a serine/threonine protein kinase that plays an important role in cellular stress response. This kinase activates certain potassium, sodium, and chloride channels, suggesting an involvement in the regulation of processes such as cell survival, neuronal excitability, and renal sodium excretion. High levels of expression of this gene may contribute to conditions such as hypertension and diabetic nephropathy. Several alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq, Jan 2009]