

Product datasheet for **RC213995L4V**

CERK (NM_022766) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	CERK (NM_022766) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CERK
Synonyms:	dA59H18.2; dA59H18.3; hCERK; LK4
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_022766
ORF Size:	1611 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC213995).
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_022766.5
RefSeq Size:	4445 bp
RefSeq ORF:	1614 bp
Locus ID:	64781
UniProt ID:	Q8TCT0
Cytogenetics:	22q13.31
Domains:	DAGKc
Protein Families:	Druggable Genome



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Protein Pathways: Metabolic pathways, Sphingolipid metabolism

MW: 60 kDa

Gene Summary: CERK converts ceramide to ceramide 1-phosphate (C1P), a sphingolipid metabolite. Both CERK and C1P have been implicated in various cellular processes, including proliferation, apoptosis, phagocytosis, and inflammation (Kim et al., 2006 [PubMed 16488390]).[supplied by OMIM, Mar 2008]