

## Product datasheet for **RC203432L1V**

### ALS2CR2 (STRADB) (NM\_018571) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	ALS2CR2 (STRADB) (NM_018571) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ALS2CR2
Synonyms:	ALS2CR2; CALS-21; ILPIP; ILPIPA; PAPK; PRO1038
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_018571
ORF Size:	1254 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC203432).
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_018571.5</a>
RefSeq Size:	2300 bp
RefSeq ORF:	1257 bp
Locus ID:	55437
UniProt ID:	<a href="#">Q9C0K7</a>
Cytogenetics:	2q33.1
Domains:	ptk, TyrKc, S_TKc
Protein Families:	Druggable Genome, Protein Kinase



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MW: 47 kDa

**Gene Summary:** This gene encodes a protein that belongs to the serine/threonine protein kinase STE20 subfamily. One of the active site residues in the protein kinase domain of this protein is altered, and it is thus a pseudokinase. This protein is a component of a complex involved in the activation of serine/threonine kinase 11, a master kinase that regulates cell polarity and energy-generating metabolism. This complex regulates the relocation of this kinase from the nucleus to the cytoplasm, and it is essential for G1 cell cycle arrest mediated by this kinase. The protein encoded by this gene can also interact with the X chromosome-linked inhibitor of apoptosis protein, and this interaction enhances the anti-apoptotic activity of this protein via the JNK1 signal transduction pathway. Two pseudogenes, located on chromosomes 1 and 7, have been found for this gene. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2011]