

Product datasheet for **RC203211L4V**

SEPSECS (NM_016955) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	SEPSECS (NM_016955) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SEPSECS
Synonyms:	LP; PCH2D; SLA; SLA/LP
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_016955
ORF Size:	1266 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC203211).
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_016955.2 , NP_058651.2
RefSeq Size:	5645 bp
RefSeq ORF:	1506 bp
Locus ID:	51091
UniProt ID:	Q9HD40
Cytogenetics:	4p15.2
Protein Pathways:	Aminoacyl-tRNA biosynthesis
MW:	46.9 kDa



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Gene Summary:

The amino acid selenocysteine is the only amino acid that does not have its own tRNA synthetase. Instead, this amino acid is synthesized on its cognate tRNA in a three step process. The protein encoded by this gene catalyzes the third step in the process, the conversion of O-phosphoseryl-tRNA(Sec) to selenocysteinyl-tRNA(Sec).[provided by RefSeq, Mar 2011]