

Product datasheet for **RC210359L4V**

Serine racemase (SRR) (NM_021947) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Serine racemase (SRR) (NM_021947) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Serine racemase
Synonyms:	ILV1; ISO1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_021947
ORF Size:	1020 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC210359).
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_021947.1
RefSeq Size:	2477 bp
RefSeq ORF:	1023 bp
Locus ID:	63826
UniProt ID:	Q9GZT4
Cytogenetics:	17p13.3
Domains:	PALP
Protein Pathways:	Glycine, serine and threonine metabolism



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MW: 36.6 kDa

Gene Summary: Catalyzes the synthesis of D-serine from L-serine. D-serine is a key coagonist with glutamate at NMDA receptors. Has dehydratase activity towards both L-serine and D-serine.
[UniProtKB/Swiss-Prot Function]