

## Product datasheet for **RC204639L2V**

### **FARSLB (FARSB) (NM\_005687) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	FARSLB (FARSB) (NM_005687) Human Tagged ORF Clone Lentiviral Particle
Symbol:	FARSLB
Synonyms:	FARSLB; FRSB; HSPC173; NEDBLA; PheHB; PheRS; RILDBC; RILDBC1
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_005687
ORF Size:	1767 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC204639).
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_005687.3</a>
RefSeq Size:	2233 bp
RefSeq ORF:	1770 bp
Locus ID:	10056
UniProt ID:	<a href="#">Q9NSD9</a>
Cytogenetics:	2q36.1
Domains:	B3_4, B5
Protein Pathways:	Aminoacyl-tRNA biosynthesis



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**MW:** 66.1 kDa

**Gene Summary:** This gene encodes a highly conserved enzyme that belongs to the aminoacyl-tRNA synthetase class IIc subfamily. This enzyme comprises the regulatory beta subunits that form a tetramer with two catalytic alpha subunits. In the presence of ATP, this tetramer is responsible for attaching L-phenylalanine to the terminal adenosine of the appropriate tRNA. A pseudogene located on chromosome 10 has been identified. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2015]