

## Product datasheet for **RR204715L4V**

### Aars2 (NM\_001106891) Rat Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Aars2 (NM_001106891) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Aars2
Synonyms:	Aarsl; AlaRS
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001106891
ORF Size:	2955 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR204715).
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_001106891.1</a> , <a href="#">NP_001100361.1</a>
RefSeq Size:	3323 bp
RefSeq ORF:	2958 bp
Locus ID:	301254
UniProt ID:	<a href="#">D3ZX08</a>
Cytogenetics:	9q12
Gene Summary:	Catalyzes the attachment of alanine to tRNA(Ala) in a two-step reaction: alanine is first activated by ATP to form Ala-AMP and then transferred to the acceptor end of tRNA(Ala). Also edits incorrectly charged tRNA(Ala) via its editing domain.[UniProtKB/Swiss-Prot Function]



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