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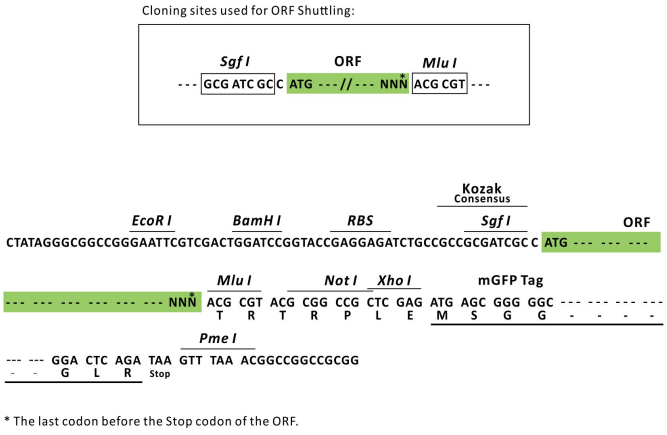
Product datasheet for RC201261L2

Arginyl tRNA synthetase (RARS) (NM_002887) Human Tagged Lenti ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arginyl tRNA synthetase (RARS) (NM_002887) Human Tagged Lenti ORF Clone
Tag:	mGFP
Symbol:	Arginyl tRNA synthetase
Synonyms:	ArgRS; DALRD1; HLD9; RARS
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC201261).
Restriction Sites:	SgfI-MluI
Cloning Scheme:	



ACCN:	NM_002887
ORF Size:	1980 bp

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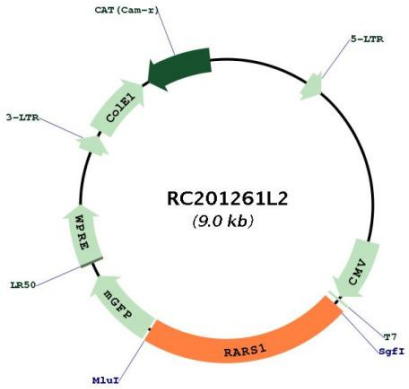
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_002887.3
RefSeq Size:	2154 bp
RefSeq ORF:	1983 bp
Locus ID:	5917
UniProt ID:	P54136
Cytogenetics:	5q34
Domains:	tRNA-synt_1d, N-Arg
Protein Families:	Druggable Genome
Protein Pathways:	Aminoacyl-tRNA biosynthesis
MW:	75.4 kDa
Gene Summary:	Aminoacyl-tRNA synthetases catalyze the aminoacylation of tRNA by their cognate amino acid. Because of their central role in linking amino acids with nucleotide triplets contained in tRNAs, aminoacyl-tRNA synthetases are thought to be among the first proteins that appeared in evolution. Arginyl-tRNA synthetase belongs to the class-I aminoacyl-tRNA synthetase family. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC201261L2