

Product datasheet for **RC203384L4V**

RARS2 (NM_020320) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	RARS2 (NM_020320) Human Tagged ORF Clone Lentiviral Particle
Symbol:	RARS2
Synonyms:	ArgRS; DALRD2; PCH6; PRO1992; RARSL
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_020320
ORF Size:	1734 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC203384).
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_020320.3
RefSeq Size:	1848 bp
RefSeq ORF:	1737 bp
Locus ID:	57038
UniProt ID:	Q5T160
Cytogenetics:	6q15
Protein Families:	Druggable Genome
Protein Pathways:	Aminoacyl-tRNA biosynthesis



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MW: 65.5 kDa

Gene Summary: This nuclear gene encodes a protein that localizes to the mitochondria, where it catalyzes the transfer of L-arginine to its cognate tRNA, an important step in translation of mitochondrially-encoded proteins. Defects in this gene are a cause of pontocerebellar hypoplasia type 6 (PCH6). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]