

## Product datasheet for **RC203961L4V**

### PARS2 (NM\_152268) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	PARS2 (NM_152268) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PARS2
Synonyms:	DEE75; EIEE75; MT-PRORS; proRS
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_152268
ORF Size:	1425 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC203961).
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_152268.2</a>
RefSeq Size:	2403 bp
RefSeq ORF:	1428 bp
Locus ID:	25973
UniProt ID:	<a href="#">Q7L3T8</a>
Cytogenetics:	1p32.3
Protein Pathways:	Aminoacyl-tRNA biosynthesis
MW:	53.3 kDa



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**Gene Summary:**

This gene encodes a putative member of the class II family of aminoacyl-tRNA synthetases. These enzymes play a critical role in protein biosynthesis by charging tRNAs with their cognate amino acids. This protein is encoded by the nuclear genome but is likely to be imported to the mitochondrion where it is thought to catalyze the ligation of proline to tRNA molecules. Mutations have been found in this gene in some patients with Alpers syndrome. [provided by RefSeq, Mar 2015]