

## Product datasheet for **RC217559L4V**

### Glutamyl Prolyl tRNA synthetase (EPRS) (NM\_004446) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Glutamyl Prolyl tRNA synthetase (EPRS) (NM_004446) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Glutamyl Prolyl tRNA synthetase
Synonyms:	EARS; EPRS; GLUPRORS; HLD15; PARS; PIG32; QARS; QPRS
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_004446
ORF Size:	4536 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC217559).
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_004446.2</a>
RefSeq Size:	5021 bp
RefSeq ORF:	4539 bp
Locus ID:	2058
UniProt ID:	<a href="#">P07814</a>
Cytogenetics:	1q41
Domains:	WHEP-TRS, tRNA-synt_1c, tRNA-synt_2b, HGTP_anticonodon



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<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Aminoacyl-tRNA biosynthesis, Metabolic pathways, Porphyrin and chlorophyll metabolism
<b>MW:</b>	170.4 kDa
<b>Gene Summary:</b>	Aminoacyl-tRNA synthetases are a class of enzymes that charge tRNAs with their cognate amino acids. The protein encoded by this gene is a multifunctional aminoacyl-tRNA synthetase that catalyzes the aminoacylation of glutamic acid and proline tRNA species. Alternative splicing has been observed for this gene, but the full-length nature and biological validity of the variant have not been determined. [provided by RefSeq, Jul 2008]