

## Product datasheet for **RC200111L4V**

### QRSL1 (NM\_018292) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	QRSL1 (NM_018292) Human Tagged ORF Clone Lentiviral Particle
Symbol:	QRSL1
Synonyms:	COXPD40; GatA
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_018292
ORF Size:	1584 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC200111).
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_018292.2</a>
RefSeq Size:	4118 bp
RefSeq ORF:	1587 bp
Locus ID:	55278
UniProt ID:	<a href="#">Q9H0R6</a>
Cytogenetics:	6q21
Domains:	Amidase
MW:	57.5 kDa


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**Gene Summary:**

Allows the formation of correctly charged Gln-tRNA(Gln) through the transamidation of misacylated Glu-tRNA(Gln) in the mitochondria. The reaction takes place in the presence of glutamine and ATP through an activated gamma-phospho-Glu-tRNA(Gln).[UniProtKB/Swiss-Prot Function]