

Product datasheet for **MR217364L3V**

Qrs1 (NM_001081054) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | Qrs1 (NM_001081054) Mouse Tagged ORF Clone Lentiviral Particle |
| Symbol: | Qrs1 |
| Synonyms: | 2700038P16Rik; C80053; GatA |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| Tag: | Myc-DDK |
| ACCN: | NM_001081054 |
| ORF Size: | 1575 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(MR217364). |
| 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_001081054.2 , NP_001074523.1 |
| RefSeq Size: | 1970 bp |
| RefSeq ORF: | 1578 bp |
| Locus ID: | 76563 |
| UniProt ID: | Q9CZN8 |
| Cytogenetics: | 10 B2 |


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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]