

Product datasheet for **RC222753L3V**

PUS1 (NM_001002020) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | PUS1 (NM_001002020) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | PUS1 |
| Synonyms: | MLASA1 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| Tag: | Myc-DDK |
| ACCN: | NM_001002020 |
| ORF Size: | 1197 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC222753). |
| 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_001002020.1 |
| RefSeq Size: | 1666 bp |
| RefSeq ORF: | 1200 bp |
| Locus ID: | 80324 |
| UniProt ID: | Q9Y606 |
| Cytogenetics: | 12q24.33 |
| MW: | 44.4 kDa |



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Gene Summary:

This gene encodes a pseudouridine synthase that converts uridine to pseudouridine once it has been incorporated into an RNA molecule. The encoded enzyme may play an essential role in tRNA function and in stabilizing the secondary and tertiary structure of many RNAs. A mutation in this gene has been linked to mitochondrial myopathy and sideroblastic anemia. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Sep 2009]