

## Product datasheet for **MR206814L3V**

### Ctu2 (NM\_153775) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

|                                  |                                      |
|----------------------------------|--------------------------------------|
| <b>Product Type:</b>             | Lentiviral Particles                 |
| <b>Symbol:</b>                   | Ctu2                                 |
| <b>Synonyms:</b>                 | 2310061F22Rik; C16orf84; Ncs2        |
| <b>Mammalian Cell Selection:</b> | Puromycin                            |
| <b>Vector:</b>                   | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| <b>Tag:</b>                      | Myc-DDK                              |
| <b>ACCN:</b>                     | NM_153775                            |
| <b>ORF Size:</b>                 | 1281 bp                              |

**ORF Nucleotide Sequence:** The ORF insert of this clone is exactly the same as(MR206814).

**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.

|                      |                             |
|----------------------|-----------------------------|
| <b>RefSeq:</b>       | <a href="#">NM_153775.1</a> |
| <b>RefSeq Size:</b>  | 3066 bp                     |
| <b>RefSeq ORF:</b>   | 1545 bp                     |
| <b>Locus ID:</b>     | 66965                       |
| <b>UniProt ID:</b>   | <a href="#">Q3U308</a>      |
| <b>Cytogenetics:</b> | 8 E1                        |



**Gene Summary:**

Plays a central role in 2-thiolation of mcm(5)S(2)U at tRNA wobble positions of tRNA(Lys), tRNA(Glu) and tRNA(Gln). May act by forming a heterodimer with CTU1/ATPBD3 that ligates sulfur from thiocarboxylated URM1 onto the uridine of tRNAs at wobble position.  
[UniProtKB/Swiss-Prot Function]