

## Product datasheet for **MR207719L4V**

### Wars (NM\_011710) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

|                                  |                                   |
|----------------------------------|-----------------------------------|
| <b>Product Type:</b>             | Lentiviral Particles              |
| <b>Symbol:</b>                   | Wars                              |
| <b>Synonyms:</b>                 | TrpRS; WRS                        |
| <b>Mammalian Cell Selection:</b> | Puromycin                         |
| <b>Vector:</b>                   | pLenti-C-mGFP-P2A-Puro (PS100093) |
| <b>Tag:</b>                      | mGFP                              |
| <b>ACCN:</b>                     | NM_011710                         |
| <b>ORF Size:</b>                 | 1443 bp                           |

**ORF Nucleotide Sequence:** The ORF insert of this clone is exactly the same as(MR207719).

**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_011710.3</a> , <a href="#">NP_035840.3</a> |
| <b>RefSeq Size:</b>  | 1842 bp                                                   |
| <b>RefSeq ORF:</b>   | 1446 bp                                                   |
| <b>Locus ID:</b>     | 22375                                                     |
| <b>UniProt ID:</b>   | <a href="#">P32921</a>                                    |
| <b>Cytogenetics:</b> | 12 F1                                                     |



**Gene Summary:**

T1-TrpRS has aminoacylation activity while T2-TrpRS lacks it. T1-TrpRS and T2-TrpRS possess angiostatic activity. T2-TrpRS inhibits fluid shear stress-activated responses of endothelial cells. Regulates ERK, Akt, and eNOS activation pathways that are associated with angiogenesis, cytoskeletal reorganization and shear stress-responsive gene expression (By similarity).  
[UniProtKB/Swiss-Prot Function]