

## Product datasheet for **RC223228L3V**

### TMEPAI (PMEPA1) (NM\_020182) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | TMEPAI (PMEPA1) (NM_020182) Human Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | TMEPAI   |
| Synonyms:                 | STAG1; TMEPAI  |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-Myc-DDK-P2A-Puro (PS100092)   |
| Tag:                      | Myc-DDK  |
| ACCN:                     | NM_020182  |
| ORF Size:                 | 861 bp   |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC223228).   |
| OTI Disclaimer:           | <p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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></p> |
| 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_020182.3</a>  |
| RefSeq Size:              | 4930 bp  |
| RefSeq ORF:               | 864 bp   |



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|                          |   |
|--------------------------|---|
| <b>Locus ID:</b>         | 56937   |
| <b>UniProt ID:</b>       | <a href="#">Q969W9</a>  |
| <b>Cytogenetics:</b>     | 20q13.31  |
| <b>Protein Families:</b> | Druggable Genome, Transmembrane   |
| <b>MW:</b>               | 31.4 kDa  |
| <b>Gene Summary:</b>     | <p>This gene encodes a transmembrane protein that contains a Smad interacting motif (SIM). Expression of this gene is induced by androgens and transforming growth factor beta, and the encoded protein suppresses the androgen receptor and transforming growth factor beta signaling pathways through interactions with Smad proteins. Overexpression of this gene may play a role in multiple types of cancer. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2011]</p> |