

## Product datasheet for **VC102544**

### membrane glycoprotein M (NC\_001474) Virus Tagged ORF Clone

#### Product data:

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Product Name:             | membrane glycoprotein M (NC_001474) Virus Tagged ORF Clone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Tag:                      | Myc-DDK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Symbol:                   | membrane glycoprotein M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Synonyms:                 | DENV_gp1, Dengue, DENV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Mammalian Cell Selection: | Neomycin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Vector:                   | pCMV6-Entry (PS100001)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| ORF Nucleotide Sequence:  | <p>&gt;The Viral ORF clone VC102544 represents NCBI reference of NP_739592 with codon optimized for human cell expression<br/> <b>Red</b>=Cloning site <b>Blue</b>=ORF <b>Green</b>=Tags(s)</p> <p>TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC<b>CGATCGCC</b></p> <p><b>ATGTCCGTCGCTCTTGTCCCCACGTTGGCATGGGACTCGAAACACGCACAGAACTTGGATGTCCTCAG AAGGAGCATGGAAGCACGTTTCAGAGAATTGAACTTGGATCCTCAGACACCCCGGATTTACAATGATGCC CGCTATACTTGCATACACAATTGGCACAACACATTTCCAGAGAGCCCTGATATTTATTCTCCTCACCGCT GTAACCCCTTCAATGACA</b></p> <p><b>ACGCGT</b>ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA</p> |
| Protein Sequence:         | <p>&gt;VC102544 representing NP_739592<br/> <b>Red</b>=Cloning sites <b>Green</b>=Tags</p> <p>MSVALVPHVGMGLETRTETWMSSEGAWKHVQRIETWILRHPGFTMMAAILAYTIGTTHFQRALIFILLTA VTPSMT</p> <p><b>TR</b>TRPLEQ<b>KL</b>ISEEDLAANDILDYKDDDDKV</p>                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Restriction Sites:        | Sgfl-MluI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |



[View online »](#)

**Cloning Scheme:**


**ACCN:** NC\_001474

**ORF Size:** 228 bp

**OTI Disclaimer:** The molecular sequence of this clone can be viewed by clicking the "ORF Nucleotide Sequence" link above. This sequence represents the NCBI reference after codon optimization for human cell expression, and retaining the same decoded protein sequence. The stop codon in the native sequence was removed to create the in-frame c-terminal fusion with a Myc-DDK tag.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
  2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
  3. Close the tube and incubate for 10 minutes at room temperature.
  4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
  5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NC\\_001474.2](#), [NP\\_739592](#)

**RefSeq ORF:** 228 bp

**MW:** 8.5 kDa