

## Product datasheet for **VC102529**

### membrane glycoprotein precursor M (NC\_012532) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	membrane glycoprotein precursor M (NC_012532) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	membrane glycoprotein precursor M
Synonyms:	ZIKV_gp1, ZIKV
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC102529 represents NCBI reference of YP_009227197 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTGAAATTACAAGACGCGGCAGCGCCTATTACATGTACCTGGACAGATCTGACGCTGGTAAAGCCA  
TTTCTTTTGTACAACACTGGGAGTTAATAAATGTCATGTGCAGATTATGGACCTGGACACATGTGTGA  
CGCTACTATGAGTTATGAGTGTCCAATGCTGGACGAAGGGGTCGAACCTGACGATGTAGACTGCTGGTGC  
AACACAACATCAACTTGGGTCGTTTACGGGACCTGCCACCACAAGAAGGGGGAAGCAAGACGAAGTAGAC  
GCGCTGTTACATTGCCCTCACATTCAACAAGAAAAGTGCAAACTCGCTCTCAGACATGGCTCGAAAGTAG  
AGAATATACGAAGCATCTCATTAAAGTTGAAAATTGGATCTTCCGCAATCCAGGATTCGCACTCGTCGCG  
GTAGCTATTGCGTGGTTGTTGGGATCAAGCACCTCTCAGAAAGTTATTTATTTGGTTATGATACTTTTGA  
TTGCTCTGCATACTCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>VC102529 representing YP_009227197 Red=Cloning sites Green=Tags
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MAEITRRGSAYMYLDRSDAGKAISFATLGVNKCHVQIMDLGHMCDATMSYECPLMDEGVPEDDVDCWC  
NTTSTWVYGTCHHKKGEARRSRRAVTLPSHSTRKLQTRSQTWLESREYTKHLIKVENWIFRNPGFALVA  
VAIAWLLGSSTSQKVIYLVMIILLIAPAYS

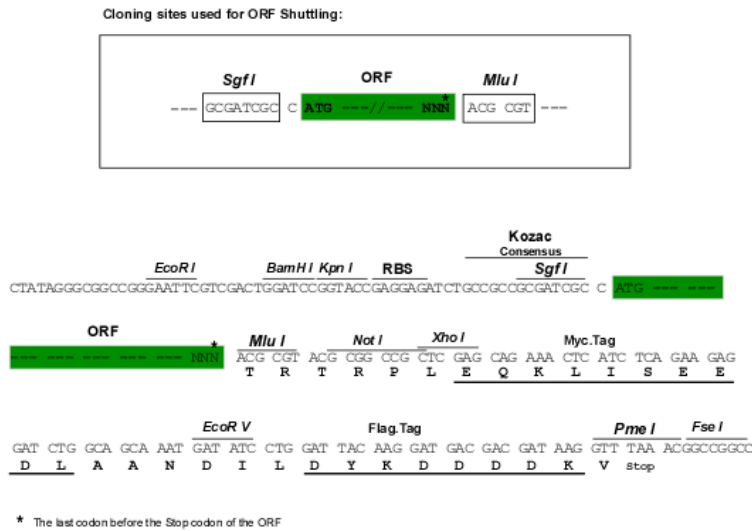
**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV



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**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**



**ACCN:** NC\_012532

**ORF Size:** 507 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\\_012532.1](#), [YP\\_009227197](#)

**RefSeq ORF:** 507 bp

**MW:** 19.1 kDa