

## Product datasheet for **VC101093**

### LMP-2A (NC\_007605) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LMP-2A (NC_007605) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LMP-2A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>The Viral ORF clone VC101093 represents NCBI reference of YP\_401631 with codon optimized for human cell expression  
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGTTCACTGGAGATGGTTCCTATGGGCGCTGGTCCCCCAGCCCGGGCGGAGACCCGGATGGCTATG  
 ACGGCGGCAATAACTCCCAGTATCCCTCCGCATCCGGCAGTAGCGGAAACACACCAACCCCAATGA  
 CGAAGAGAGGGAGTCCAATGAAGAGCCCCCCTCCTTACGAAGATCCCTACTGGGGCAACGGCGATAGA  
 CACTCTGATTACCAACCTCTTGGCACTCAGGATCAGAGCCTGTACTTGGGACTGCAGCACGATGGTAACG  
 ATGGGTTGCCCCACCTCCGTACAGCCCCAGGGACGATAGTAGTCAGCATATTTAAGAAGCTGGTGC  
 CGGGTCTATGAACCTGTTTGTCTTCTGTGATAGTAGCACCTTACCTTTTCTGGCTGGCTGCTATCGCA  
 GCCTCCTGTTTACAGCCTCTGTGAGCACAGTCGTTACTGCCACTGGTCTTGCAGTACTCTTGTCTGC  
 TGGCTGCTGTTGCGAGTAGCTATGCCGCGCTCAGAGAAAGCTGTTACCCTGTGACGGTGTGACCGC  
 CGTAGTCACATTCTTCGCCATCTGCCTCACTGGCGCATTGAGGATCCGCCCTTCAATCTTTGCTCTTT  
 GCATTCTCGCTGCAGCAGGTGGGCTGCAAGGAATTTATGTGCTTGTGATGCTCGTTCTGTTGATACTGG  
 CATAACAGGCGGCGATGGAGGAGGCTCACTGTGTGGTGGCATTATGTTTCTGGCATGCGTTCTTGTCT  
 GATCGTCGATGCCGTGCTGCAGCTGTCACCACTCCTGGGTGCCGTACCCTGGTCTCCATGACCCCTCTT  
 CTTCTGGCATTGTTATTGTGGCTCTCATCCCCTGGAGGATTGGAACTCTGGGCGCCGATTGCTGACCC  
 TGGCGGCCGACTGGCCCTGCTCGCTTCTGTATCCTTGGTACTCTGAACTTGACCACTATGTTTCTCT  
 TATGCTCCTGTGGACCTGGTCTACTCCTGATCTGTAGTAGTTGTAGTCTTGTCCCCTGTCTAAAATC  
 CTCTCGCACGGCTGTTCTGTACGCCCTGGCACTGCTCCTGCTCGCCTGCTGACTGATCGCGGGTGGCA  
 GTATCCTGCAAAACAATTTCAAGAGCCTCTCCAGTACTGAGTTTCATCCCAAACCTCTTTTGCATGCTTCT  
 GCTCATCGTGGCAGGTACTGTTTCATCCTGGCAATACTTACAGAGTGGGGCAGTGGCAACCGCACTTAC  
 GGCCCTGTATTTATGTGCTCGGAGGGCTGCTTACTATGGTGGCCGGTGCAGTTTGGTTGACAGTTATGT  
 CAAATACCCTGCTGAGTGCCTGGATTCTGACGCGGGTTTTCTCATTTTTCTGATTGGCTTCGCCCTTTT  
 CGGCGTGATCAGATGCTGTAGGTACTGCTGCTATTATTGTTTACCCTCGAATCCGAGGAGAGGCCTCCA  
 ACGCCTTACAGGAACACAGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC101093 representing YP\_401631  
 Red=Cloning sites Green=Tags

MGSLEMVPMGAGPPSPGGDPDGYDGGNNSQYPSASGSSGNTPTPPNDEERESNEEPPPPYEDPYWGNDR  
 HSDYQPLGTQDQSLYLGLQHDGNDGLPPPPYSPRDDSSQHIYEEAGRGSMPVCLPVIVAPYLFWLAIA  
 ASCFTASVSTVVTATGLALSLLLAAVASSYAAAQRKLLTPVTVLAVVTFFAICLTWRIEDPPFNLLF  
 ALLAAAGLQGIYVLVMLVLLILAYRRRWRRLTVCGGIMFLACVLVLIIDAVLQLSPLLGAVTVVSMTLL  
 LLAFVLWLSPPGGLGTLGAALLTLAAALALLASLILGTLNLTMMFLMLLWTLVLLICSSCSSPLSKI  
 LLARLFLYALALLLASALIAGGSILQTNFKSLSTEFIPNLFMLLLIVAGILFILAILEWGSNRTY  
 GPVFMCLGGLTMVAGAVWLTVMSNTLLSAWILTAGFLIFLIGFALFGVIRCCRYCCYYCLTLESEERPP  
 TPYRNTV

**TR**TRRLE**QKLI**SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/ja3128\\_b10.zip](https://cdn.origene.com/chromatograms/ja3128_b10.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NC\_007605

**ORF Size:** 1491 bp

**OTI Disclaimer:** 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 [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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\\_007605.1, YP\\_401631](#)

**RefSeq ORF:** 1491 bp

Locus ID: 3783751  
UniProt ID: [P03211](#)  
MW: 53.0 kDa