

Product datasheet for **VC101016**

LMP-2B (NC_009334) Virus Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | LMP-2B (NC_009334) Virus Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | LMP-2B |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >The Viral ORF clone VC101016 represents NCBI reference of YP_001129437 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s) |

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACCCCGTGTGCCTGCCCGTCATCGTAGCACCTTACCTCTTTGGCTGGCAGCAATTGCTGCAAGCT
GCTTACCAGCTTCAGTTAGTACAGTCGTTACAGCGACTGGGCTCGCTCTTCCCTGCTTCTGCTGGCCGC
TGTTGCCAGCAGCTACGCTGCGGCCAAAGAAAGCTCTTGACACCCGTAAGTGTCTTACCAGCTGGGTG
ACCTTTTTCGCTATCTGCTTACCTGGCGGATTGAGGATCCACCTTTCAACAGCCTGCTGTTTGCCTGC
TTGCGGCAGCAGGAGGACTCCAGGGATTTACGTCCTCGTCATGCTGGTTCTGCTGATTCTGGCCTATAG
GCGACGGTGGCGACGCCTTACTGTGTGGCGGCGCATTATGTTCTTGGCATGTGTCCTGGTCTCATTGTC
GATGCAGTGCTCCAGTTGAGTCCCCTTCTGGGGCTGTTACGGTGTGTCTATGACTCTGCTCCTCCTCG
CATTTGTTCTCTGGCTTTCAAGCCCTGGCGGCCTCGGAACCTCGGAGCTGCCCTGCTGACATTGGCAGC
AGCCCTCGCACTCCTGGCAAGCCTCATTCTCGGCACACTGAACCTGACGACCATGTTCTGCTGATGCTG
CTCTGGCACTTGTGGTCTGCTCATCTGTAGCTCCTGCAGCTCCTGCTCCTCTCAAAAATTCTGCTGG
CCCGGCTGTTTGTACGCCCTGGCTCCTGCTGTTGGCCTCAGCCCTGATAGCCGGCGGGAGCATTCT
GCAGACTAATTTAAAAGCCTTTCCAGCACCGAATTTATCCAAACCTGTTCTGTATGCTCCTGCTCATC
GTTGCCGGCATTCTGTTATCCTTGCCATCCTACCGAATGGGGTCCGGTAACAGGACCTATGGGCCAG
TGTTTCATGTGCTCGGAGGCCTCCTGACCATGGTGGCAGGTGCCGTCTGGCTGACAGTGATGACCAACAC
ACTGCTGTCTGCTGGATTCTGACGGCCGGTTCCTGATTTTCCTTATTGGGTTGCTCTGTTCCGGCGTG
ATTAGATGTTGCCGGTACTGTTGTTACTATTGCCTGACGCTGGAATCAGAGGAGAGACCCTACCCCAT
ATAGGAACACAGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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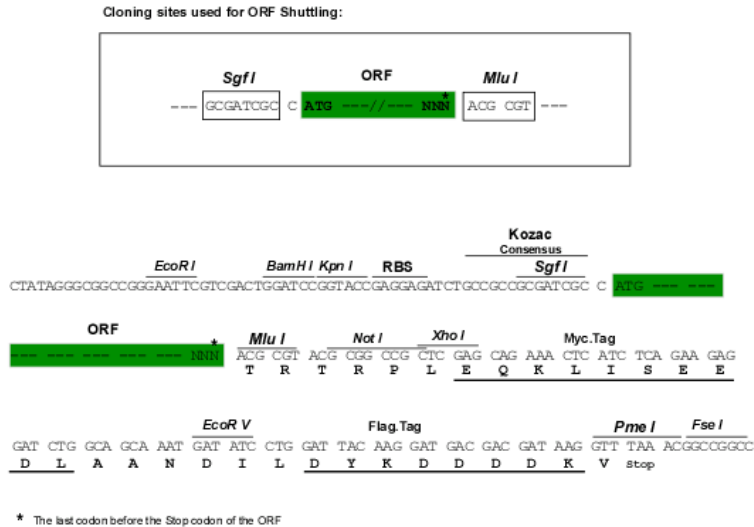
Protein Sequence: >VC101016 representing YP_001129437
 Red=Cloning sites Green=Tags

MNPVCLPVIVAPYLFWLAAIAASCFTASVSTVVTATGLALSLLLLAAVASSYAAAQRKLLTPVTVLTAVV
 TFFAICLTWRIEDPPFNLSLLFALLAAAGGLQGIYVLVMLVLLILAYRRRWRLTVCGGIMFLACVLVLI
 DAVLQLSPLLGAVTVVSMTLLLLAFVLWSSPGLGTLGAALLTLAAALALLASLILGTLNLTTFMLLML
 LWTLVLLICSSCSCPLSKILLARLFLYALALLLLASALIAGGSILQTNFKSLSTEFIPNLFMLLLI
 VAGILFILAILEWGSNRTYGPVFMCLGGLLTMVAGAVLTVMTNTLLSAWILTAGFLIFLIGFALFGV
 IRCCRYCCYYCLTLESEERPPTPYRNTV

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_009334

ORF Size: 1134 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_009334.1](#), [YP_001129437](#)

RefSeq ORF: 1134 bp

Locus ID: 5176195

MW: 40.4 kDa