

## Product datasheet for **VC102277**

### 37 kDa coat protein (NC\_002190) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	37 kDa coat protein (NC_002190) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	37 kDa coat protein
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC102277 represents NCBI reference of YP_003572962 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTGTGCAGATTCCACACGGGCTAGTCCCCGAAAAAGAAGCAGGCGCGATGCACACAACGAGGATGAAG  
AACACGCGGAGGGCTCCAGCGGACCAGATCCCCATCGATGTCTCCAGTTCAATACAGGGGACAGTATCCA  
TATTACCTTCCAGACTAGGCGCTACTTTGAATTCGACGCTGCTAACGACGGCACTTTGATGGCAAAAAC  
CTGTATTGTCTGCCCTCCACTGGATGAACCTCTACCTCTATGGACTGAAATCATCCGATAGCTCTGCTA  
CAGAGACACAGAGGTACAAGATGGTCAAGTCAATGATGAAAACATACGGGTGAAAAGTGCACAAAAGCCGG  
CGTAGTGATGCACTCAATGGTCCCCTCATGAAAAGACCTTAAGGTGTCTGGTGGAACTCCTTCGAGACC  
CTGACATTTACAGATACGCCCTACCTCGAGATCTTTAAAGACACTACCGGTCTCCACAACCAACTCAGTA  
CTAAAGAAGCTGACGTGACCCTGGCTAAATGGATTCAAAATCCCCAACTGGTACTGTGCAGAGTACTGC  
TGCAAATATGAGGATCCCATCCAGCAGTTCGGCTTCATGGAACAGATGAGGACCGGCGACCGCAAAGCA  
TACACTATCCACGGTGACACCCGAAATTTGGTACGGCGGAGAGATTCTACAACCGGCCCAACTTTTATTC  
CCAAGTGGGTGGCCAACTGAAATGGGATAAGCCAGCCTCGGAACTGGTTTATCCCCTGACCACCA  
CACTAATGATTGGCAGCAGATCTTCATGCGGATGTCCCCTATCAAAGGCCCAATGGTATGAGCTGAAG  
CTGGGATGCCGAGTCCAGGCAGACTTCTTCTGCACCTGGAGGTTGCTTGCCTCCCAGGGTTGCGTGG  
CAAGTCTCGAATGCTCCAGTATCTGCACGCTCCATGCACAGGTCAGCTTAATAAGTGTTACATCATGCA  
TACAAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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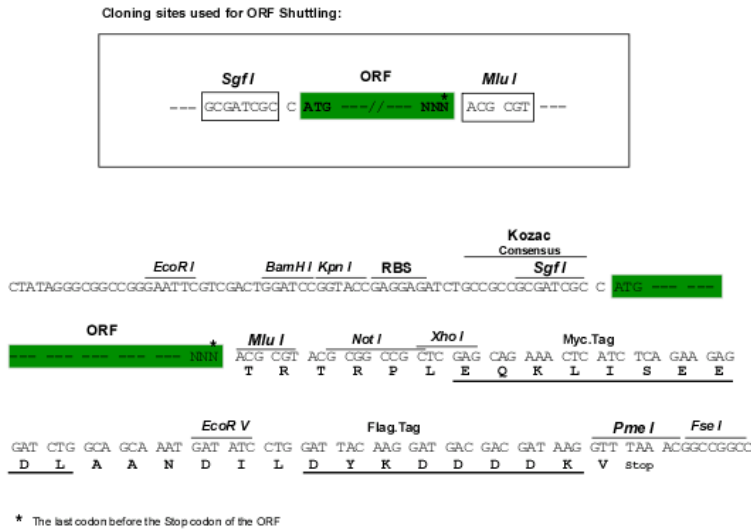
**Protein Sequence:** >VC102277 representing YP\_003572962  
Red=Cloning sites Green=Tags

MCADSTRASPRKRSRRDAHNEDEEHAEGSSGPDPHRCLQFNTGDSIHITFQTRRYFEFDAANDGNFDGKN  
 LYCLPLHWMNL YLYGLKSSDSSATETQRYKMVKSMMKTYGKVKHAGVVMHSMVPLMKDLKVSGGTSFET  
 LFTDTPYLEIFKDTTGLHNQLSTKEADVTLAKWIQNPQLVTVQSTAANYEDPIQQFGFMEQMRTGDRKA  
 YTIHGDRNHWYGG EIP TTGPTFIPKWGGQLKWDKPSLGNLVYPADHHTNDWQQIFMRMSP IKGPNGDELK  
 LGCRVQADFFLHLEVRLPPQGCVASLGM LQYLHAPCTGQLNKCYIMHTN

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_002190

**ORF Size:** 987 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\\_002190.2, YP\\_003572962](#)  
RefSeq ORF: 987 bp  
Locus ID: 1457864  
MW: 37.4 kDa