

## Product datasheet for **VC102146**

### rex (NC\_001436) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	rex (NC_001436) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	rex
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC102146 represents NCBI reference of NP_057863 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCTAAAACACGAAGACGACCTCGAAGATCTCAACGCAAACGGCTCCCACGCCATGGGCGCATTTTC  
CTGGTTTTGGGCAGAGCCTGCTTTTTGGGTATCCCGTGTATGTTTTGGCGATTGTGTGCAAGGCGATTG  
GTGCCCGATCTCTGGAGGGCTGTGCTCCGCCGGCTGCACAGGCACGCCCTGCTTGCTACTTGCCAGAA  
CACAAAACACTTGGGATCCCATCGATGGGAGAGTAATAGGCTCCGCCTTGCAGTTTCTTATCCCACGGC  
TTCCCTCCTTCCCACACAGAGGACAAGTAAAACACTGAAAGTGCTGACACCTCCAATTACCCACACGAC  
GCCTAATATCCCACCCTATTCTGCAAGCTATGCGCAAATACTCTCCCTTCGCAACGGCTACATGGAG  
CCTACTCTCGGACAGCATCTGCCAACTCTAGCTTTCGGACCCAGGTCTGAGACCACAAAACCTGTACA  
CGCTGTGGGGCGGAGCGTTGTGTGCATGTATCTTTATCAACTGTCTCCACCGATCACCTGGCCCTCCT  
GCCACATGTTATCTTCTGTATCCAGGTCAACTGGGAGCCTTCTGACTAATGTGCCCTATAAACGCATC  
GAAAACTGTTGTACAAGATCTCTGACTACAGGGCTCTCATTATCCTCCCAGAGGACTGCCTGCCTA  
CTACCCTCTTCCAACCTGCAAGAGCACCGTAACACTGACAGCTTGGCAGAACGGTCTCCTGCCGTTCCA  
TTCAACTCTGACGACACCCGGACTGATCTGGACCTTTACCGATGGAACCTCCATGATAAGTGCCCTTGT  
CCCAAAGATGGCCAACCATCTCTGGTCTTGAGAGCTCTAGCTTTATCTCCACAAGTTTCAAACCAAGG  
CTTACCACCCAAGTTTTCTCTGAGCCATGGACTGATACAGTACAGTAGCTTCCATAACCTTACCTGCT  
CTTTGAAGAATACACAAATATCCCTATCAGTCTTCTGTTCAATGAAAAGAGGCAGATGATAACGATCAC  
GAACCTCAGATTTACCGGGCGGGTTGGAACCCCTTTCAGAGAAGCACTTCAGGGAACCCGAGGTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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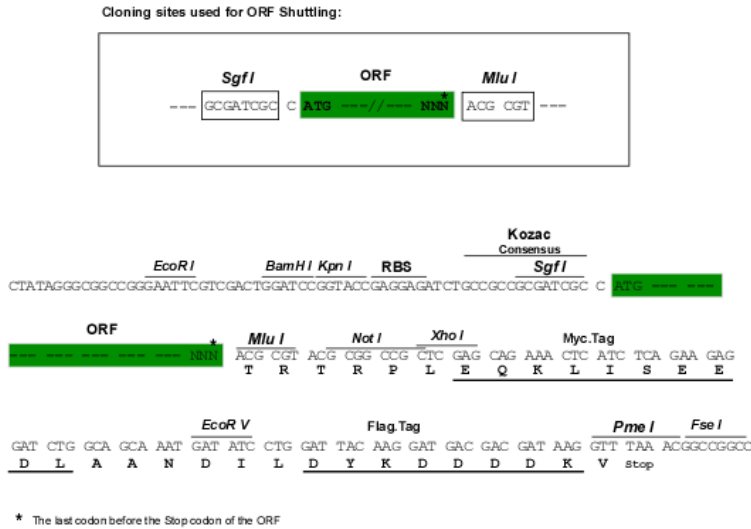
**Protein Sequence:** >VC102146 representing NP\_057863  
 Red=Cloning sites Green=Tags

MPKTRRRRPRRSQRKRPPTPWAHFPFGFQSLLFGYPVYVFGDCVQGDWCPISGGLCSARLHRHALLATCPE  
 HQITWDPIDGRVIGSALQFLIPRLPSFPTQRTSKTLKVLTPPITHHTPNIPPSFLQAMRKYSFPRNGYME  
 PTLGQHLPTLSFPDPLRPQNL YLWGGSVVCMYLYQLSPPITWPLLPHVIFCHPGQLGAFLTNVPYKRI  
 EKLLYKISLTTGALIILPEDCLPTTLFQPARAPVTLTAWQNGLLPFHSTLTPGLIWTFTDGTMPISGPC  
 PKDGQPSLVLQSSSFIHFKFQTKAYHPSFLLSHGLIQYSSFHNLHLLFEEYTNIPISLLFNEKEADDNDH  
 EPQISPGGLEPLSEKHFRETEV

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_001436

**ORF Size:** 1116 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\\_001436.1](#), [NP\\_057863](#)

**RefSeq ORF:** 1116 bp

**Locus ID:** 1491937

**MW:** 42.0 kDa