

Product datasheet for **VC102326**

ORF036R (NC_003494) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ORF036R (NC_003494) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF036R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC102326 represents NCBI reference of NP_612258 with codon optimized for human cell expression Red =Cloning site Blue =ORF Green =Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCCTTTGTCTCTGCGTCTTTAAGACTATGTCTCTGCAACGGTACGTGACTACAGTAAATTTGATGA
GACATCGCTACAAAAGAAGTACAGAACCCTTCAAGACAAAATACATTCACCACTGCCCTGGACACCAC
CACAGCCGTGTCTTTGGCCCATGTACCTCCTCTGCTTCGAGACCTGAGCGCAGCCATCGTGTCTGCGGG
CCGCAGAAGGACCTTGAAGGAAAGTTGGCTGATCTGCTGGCCCATGACCCTTGGCATTATGAGCGATA
ACGAGGGGATGGAGAGAATCGTTACCCAGCACATTATGAACAACGATGCAATCGATAAGAGCAGACTGGC
AACCCAAGCTTACGACATGGAAGGGCCTACGATAAGCACGTCGGTGGACATATTACCGCGTGGAATGAA
AGCATGAATAAGCGACATGACGCAGTAACCGCAAGGGAGATGACGCCACTCGGATACATGGACAATACG
CAACAGAAAATACCGCTCTGGACAATGTCTGGCTTCCCCTACTGCGTACGCGGCGCGGAAGCCCTTTT
GGATCGCATTGACACGCTCCGGTCCCTCGTGGATTCTATCCGAGTAACTAGTGCCTGGCAACAAAAGAA
CAGATGACCCAGGCCATTCAAGCATTTAGAGCAAACCTCAACTACAGGGCTCCTAGTGTGACACCAATCA
TTATCCAGTACACGAATACAGCAGCAGTGGAAAACAACCTCAATGTTGAAATCACATCCCAGCCCTACAT
CATTCCAACCGGTTGGAGAGCGTCGTTTTTACGCCGGGCTCTGAGCCTGGCTCCGTTGCCTACCAAG
GTTTCTCTGTGGATCTCTGCCGGCACTACTACGACCCTCGCACCTGCTCGCTGAGGTGGATCCCTTCA
CGAACTCATCAACGTGATCATCTCACCACCTATGCCAACCGCCACCCTGCCCTCCGGATCACCTATGTA
CCTCCACATTAGATGCCCGCTACATCAAGAGTGACCACATCTTTCGAGATGCATGCCTACCATTGTTC
CGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC102326 representing NP_612258
Red=Cloning sites Green=Tags

MSLCLCVFKTMSLQRYVTTVNLMRHRYKRSTEPLQDQNTFTTALDTTTAVSLAHVPPLLRDL SAAI AVCG
 PQKDLEGLADLLAHPDPAFMSDNEAMERIVTQHIMNDAIDKSRLATQAYDMEGAYDKHVGGHITAWNE
 SMNKRHDAVTAKGDDATRIHGQYATENTALDNVLASPTAYAARKPLLDRIDTLRSLVDSIRVTSALATKE
 QMTQAIQAFRANFNYPAPSVPPIIIQYNTAAVENNSMLEITSQPYIIPTGLESVVFHAGPLSLAPLPTK
 VSLWISAGTTTTSPRTLLAEVDPFTNSSNVII SPPMPTATLPSGSPMYLHIRCPATSRVTTTSFEMHAYHLF
 R

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_003494

ORF Size: 1053 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_003494.1](#), [NP_612258](#)

RefSeq ORF: 1053 bp

Locus ID: 935299

MW: 38.7 kDa