

Product datasheet for **VC100985**

ORF43 (NC_001348) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ORF43 (NC_001348) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF43
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>The Viral ORF clone VC100985 represents NCBI reference of NP_040166 with codon optimized for human cell expression

Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGGCACATCTGGCGAACGAGACAAAAGCACGCCTTGTGGCATAATGACCACACTAAGGGTCTCCTGC
ATGTGGTGATTCCAAACGCCGGTCTGATCGCCGCCGATTGACCCGGCCCTGCTGATCCTTAAGAAGCC
TGGTCAGAGGTTCAAGGTAGAAGTGCAGACACGATACCATGCCACAGGCCAGTGCAGGCCCTGGTGTGAG
GTGTTCCGCCGTTATATACCAGACAATGCCCTGACGAACCTGCTTATCCCCAAAACCGAGCCCTTTGTGA
GTCACGTGTTCTCTGCAACTCATAACTCAGGTGGACTGATCCTTTCTCTGCCAGTGTATCTCTCCAGG
CTTGTCTTCGACGCCTCAACGTAGTGGCAATCAGAATCAATACCGCAACCGGAAACACCGCGACATC
TGCATCATGTATGCTGAGCTGATCCCTAACGGGACAAGGTAATTTGCTGACGGGCAAAGGGTCTCTTGC
TTTGTAAAGCAGCTCATCGCTACATTAGGTGCACCCCTCGGCTGGCAAGTAGCATTAAAGATTTATGCGGA
ACATATGGTGGCCGCGATGGGAGAGAGCCACACCAGCAATGGTGACAATATAGGTCTGTCTCAATA
ATTGATCTTGATCGGCAACTTACGTCTGGGGTATCGACGATAGTCTGCCGAGACCCGATTACAGGAGA
ATAATAGAGATGTCTCGAGCTCATAAAGAGGGCCGTGAATATTGTCAACAGTCCGCATCCCGTGAGGCC
CTCCTCATCTCGGGTTGCCAGTGGCCTGCTCCAGAGCGCAAAAGGACATGGAGCTCAAACAAGCAATACT
GACCCTATAAATAATGGAAGCTTCGACGGTGTGCTTGAACCGCCAGGTGAGGGCGCTTCACAGGGAAAA
AAAACAACAGTAGTGCAGCATAACCCCTCTGCAGGATGTGCTGCTTTACCCCCGCCAGCACAGAGCC
CCAGTCTCTCATGGAGTGGTTTGATATTTGCTACGCTCAGCTGGTGGAGTGGGACACCCCTGCCGACTTC
TGAAGAAGACGGCCACTTTCCATCGTTCCAGACACTATGCCGAGAGCCCTTACCAGTATCGTGGTCA
GCTACAATGGGTCCAGCGCATGGGGCGGCCGAATCACCGGACAGCCCATCCTGTATCACTCTGCACAGGC
TATCATAGACGCTGCATGCATAAACGCACGGGTGGACAACCCCTCAGAGTCTTATGTACAGCAGCAGCAA
GAACTGGTTGCAAGGCTTCCCTTCTGGCCAATGTCTGAATAATCAGACCCCACTGCCCGCTTTAAAC
CCGGAGCCGAAATGTTTTGAACCAAGTGTCAAGCAAGCGTGCCTCACCTCACACAGGGACTTAT
CACTGAACTGCAGACCAACCAACTCTCAGCAATTGATGGAATACGATATCGCAGATCCAGTCCAGT
GTCATCGACGAAATTGTGGCCAGGACACCAGACCTGATCCAAACCATTGTTTCTGTACTTACTGAGATGA
GCATGGATGCTTTCTACAATTCATCTGATGTATGCAGTATTGGCATATCTGTCAAGCGTGTATACCCG
GCCGCAAGGTGGCGGTTACATCCATACCTGCACGCCAGCTTCCATGCTGGCTGGGCAATCGGAGCATC
TATCTGTTTGATTACTACAACCTCAGGGGAGAAATCCTCAAGCTTAGTAAGGTCCCCGTCGCCGTCGCC
TCGAGAAAGTAGGTATCGGCAATTCTACCAGCTTCGCGGTAAATTTATACGCTCTGCCGACATCGTTGA
TATAGGAATCTGCAGCAAGTATCTGCCTGGCCAGTGTACGCCTACATCTGTCTGGGCTTCAATCAGCAG
CTTCAGAGCATACTGGTCTGCCTGGTGGTTTTGCCGCTTGTCTGTATCACGGATACTCTGCAGGCTG
CACTGCCAGCATATTGATCGGCCCTATCCTCGATCGTTCTGCTTTTCAATCCCCAACCCGCACAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC100985 representing NP_040166
Red=Cloning sites Green=Tags

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MEAHLANETKHALWHNDHTKGLLHVVIPNAGLIAAGIDPALLILKKPGQRFKVEVQTRYHATGQCEPWCQ
VFAAYIPDNALTNLLIPKTEPFVSHVFSATHNSGGLILSLPVYLSPGLFFDAFNVVAIRINTGNRKHRDI
CIMYAEIPNGTRYFADGQRVLLCKQLIAYIRCTPRLASSIKIYAEHMVAAMGESHTSNGDNIGPVSSI
IDLDRQLTSGGIDSPAETRIQENNRDVLELIKRAVNIVNSRHPVRPSSSRVASGLLQSAKGHGAQTSNT
DPINNGSFDGVLPEPPGQGRFTGKKNSSASIPPLQDVLLFTPASTEPQSLMEWFDICYAQLVSGDTPADF
WKRRPLSIVPRHYAESPSPSPLIVVSYNGSSAWGGRITGSPILYHSAQAIIDAACINARVDNPQSLHVTARQ
ELVARLPFLANVLNNQTPLPFAFKPGAEMFLNQVFKQACVTSLTQGLITELQTNPTLQQLMEYDIADSSQT
VIDEIVARTPDLIQTIVSVLTEMMDAFYNSSLMYAVLAYLSSVYTRPQGGGYIPYLHASFPCWLGNRSI
YLFDDYNSGGEILKLSKVPVPVALEKVGIGNSTQLRGKFIRESADIVDIGICSKYLPGCYAYICLGFNQQ
LQSIILVLPGGFAACFCITDTLQAALPASLIGPILDRFCFSIPNPHK
    
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TRRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NC_001348

ORF Size: 2028 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_001348.1](#), [NP_040166](#)

RefSeq ORF: 2028 bp

Locus ID: 1487670

UniProt ID: [P09310](#)

MW: 73.9 kDa