

Product datasheet for **VC100983**

ORF41 (NC_001348) Virus Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | ORF41 (NC_001348) Virus Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | ORF41 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >The Viral ORF clone VC100983 represents NCBI reference of NP_040164 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s) |

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTATGCCTTTTGAGATTGAAGTCCTGTTGCCAGGGAACTGAGCCCAGCTGAACTAGTGCCTCC
AGAAATGCGAAGGCAAGATAATAACTTTCTCCACTCCGCCACCGGGCTTCACTGGTGGATATCGCCTT
GTCATCCTATTACATTAATGGAGCTCCACCCGACTCTGAGCCTCCTGGAGGCTACAGGATGAGATTT
GCCGCCGTGATTACACGAGTGATCCCCGGCAAGTTCTGGCTCAGCCATAGGAGTGGGCACTCCTACTC
CCGGTCTGTTTATTAGAAATACATCCCCTGTAGACCTGTGTAATGGGGATTACATTTGCCTCCTGCCCC
TGTGTTTGGTTCCGCCGACAGTATTCCGGCTCGACAGTGTGGCCTGGAGATCGTGTTCCTCACCATT
CCCCAGACCCTCATGCGGGAGATCATCGAAAAGTCGTCGCAAGAGCCGTCGAACGAACAGCCGCGGGAG
CACAAATCCTCCCTCATGAGGTCTTGGGGGAGCCGATGTGATATGCTATAACGGGCGCAGATACGAACT
CGAACTAATCTTCAGCATCGGGACGGGTGAGTGCCGCCATTAGGACCCTCGTGTGAATTTGATGTTT
TCTATAAATGAGGGATGTCTGCTGTTGCTCGCGTTGATCCCCACCCTTCTGGTCCAGGGCGCCCATGATG
GATATGTGAACCTGCTGATCCAGACTGCAAACTGCGTGAGGGAAACCGGGCAACTCATCAATATCCCTCC
CATGCCAAGGATCCAAGACGGTACAGAAGATTCCAATTTATGAGACTATCAGCTCCTGGATCTCTACA
AGTAGTAGATTGGGGACACTGGGCACTAGGGCTATCCTCAGGGTGTGTGTTTGACGGCCCTCCA
CAGTTCATCCCGAGATAGGACCGCAGTTATCCAAGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC100983 representing NP_040164
Red=Cloning sites Green=Tags

MAMPFEIEVLLPGELSPAETSALQKCEGKIITFSTLRHRASLVDIALSSYYINGAPPDTLSLLEAYRMRF
 AAVITRVIPGKLLAHAIGVGTPTPLFIQNTSPVDLCNGDYICLLPPVFGSADSIRLDSVGLIEIVFPLTI
 PQTLMREIIAKVVARAVERTAAGAQILPHEVLRGADVICYNGRRYELETNLQHRDGSAAIRTLVLNLMF
 SINEGCLLLLALIPTLLVQGAHDGYVNLIIQTANCVRETGQLINIPMPRIQDGHRRFPYIYETISSWIST
 SSRLGDTLGTAILRVCFDGPSTVHPGDRTAVIQV

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001348

ORF Size: 948 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_040164](#)

RefSeq ORF: 948 bp

Locus ID: 1487669

UniProt ID: [P09310](#)

MW: 34.4 kDa