

Product datasheet for **VC102078**

ORF1 (NC_007018) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ORF1 (NC_007018) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>The Viral ORF clone VC102078 represents NCBI reference of YP_238482 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGACGCCCCCGCTTGATTGCAGTGCTCCAGATCCCCACTGGATTCTCTCCAACCCCGCAAATTGGA
GAGACTGGGACGGACTGCAACGGCCAGAAATCTCCTGGCTGACGATTGGCCATCCAAGAGCTGCGGGA
GTCCGTGCCCTTCTTCGACCACGCTGTGAACCTCGGCTACTGCATTCTGCAACAACCTGTTTGCCAGCCAT
GCTGTCACCCCTCCCTGCCGGTGAAGCCAAGCATGTTCTCCAGCTGGAGCCTAGCAGCGGCGAAGAGA
ACGAAATGCATTACCACCTGGTGGTCAACCAGGCCGACATGGTGGGACGGGAGTGCAGCAATTGGCTGCG
GACCTGGAAGGTCTTCATGGCAGGCTACCTCGTGGCCCCGTCTGGACCCTCAGCTGGAATATCCGGGAG
ACCCGGCAGGGGGCGGCTGTATCAGGCCGACATGCTCTTCGTGAAGAATTACCTGCTGCCAAGCTGCCCC
TCAACGATTGCTACTACGCTGGACCAACATCGACCGGTTTCGAGGCCCGCGTCTGTCCGTGCGGAACCG
GCAACTCAGCGGCCCCCAAGGCGCAATCGCCCTGCCTTTTACAGACGCCCCACCCCGACCCAGCAGCT
GAGGGCGTGCCTCCCACCATGGCCGCAAGGGGACACAGCGGTTTCATGGATCTGATCGACTGGCTCGTGC
AGAACGGCATCGCCACCGAGAAGAGATGGCTGTCCGTCAACAAGCTGTCTACCGGAGCTTCTCGGCTC
CAGCGGGCGGTGCTCCAGGCCACCAACGCACTGCAGATTGCCAAACGGGAGATGGTCTGGCCACCCA
CTGCTGAGCTACCTCACAAAGAACGCCAGCGCCTTCGAGGAGAGCAACAAGTGGCCCAACTGTTTCAGCC
TGAACGGGTATAATCCCGTGGACGACGCTGGTACTTCGCCGCTGGGCACGGGGCGTGTGGCCAAAGCG
GCGGGCCATCTGGCTGTGGGGCCCCGAAGCACCAGCAAGACCTGCTGGCCGACCCATCGCCAATCTG
AGCCCATCTACGGGTGCGTGAACCTGGACAAACAGAACTTCCCCTTCAACGATTGCCACTGCCAGTCCC
TCGTGTGGTGGGAGGAGGGCGGATGACCGAGAACATCGTGGAGTTCGCCAAGGCCGTGCTGGGGGGCGC
CCCCGTGCGGCTCGATGTGAAGAACAAGGGCAGCGAGGACTACATTCCCACCTGCGTGATCATCACCAGC
AACGGCGACCTGACCGTACCGTGGACGGGCCCGTGTGTCCACCAGCATCAGGAGGCCCTGCAGACCC
GGATCACCATGTTCCAGTTCAGCGGATGGTGGCCGACGGCCTGGCCCCCTGCCCGAGGAGGAGGTGCG
GAGCTTCTCAAGCTCGGGGAGCAGGAGCTCAACATGAAGGGCACCCCTCCCAGGAGTTCGGGTGCC
CGAACTTCGATAAAGCAGCCAATGGCCAGCACAAGCAACCTGCCAAAGCACTGTGCGCCCCATGGAGG
ACAACCAAGTGCAGTGGGACTCCGAAGACGACTGGTCCCCCCCCCACACAGAAAAAGCGGGGAACT
CCAGGAGACCCACCCACCCCTCCGAGGTGATCGAGCTCAGCTCCCCAGCCCCCTGGCCGATGCA
CCACCAGGACCCCGACTCCCTGGGCGAGCTCTCCCTACCCCCACCAGCGTCAGCCAGATCGTCAGCG
CCCCATCCCCGACGAGACCGCCGAGCGGTACGGCGCCGGCGACATCGAGTCTTTTTGGTCCGAGCAGCT
GTTTCGACGCCGACTGGGCAACCCGGCTGCACATTTGTCCCCCGGGGACCCAAGCCTTATGGGCTCTTC
TGGACCTACCTGTGGAGCCGGGAGTTTTGGCGGTTCAAACAGAGCCTCAGCCGGAGCGAAGCTCACCTCA
TTAACCGCGGTTTATTTGGGCATGGTGG

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC102078 representing YP_238482
Red=Cloning sites Green=Tags

MDAPAWIAVLQIPTGFLSNPANWRDWDGLQRPRLNLLADDWPIQELRESVPPFDHAVNLGYCILQQLFASH
 AVTLPCRVKPSMFLQLEPSSGEENEMHYHLVVNQADMVGRECSNWLRTWKVFMAGYLVAPVWTLASNIRE
 TRQGRLYQADMSFVKNYLLPKLPLNDCYYAWTNIIDRFEAAVLSVRNRQLSGPQGAIALPFTDAPRTPAA
 EGVPTMAGKGTQRFMDLIDWLVENGIATEKRWLSVNKLSYRSFLGSSGGVLQATNALQIAKREMLAHP
 LLSYLTKNASAFEESNKVAQLFSLNGYNPVDAAWYFAAWARGVWPKRRAIWLWGPASTGKTLAAAIANL
 SPSYGCNVNWTNQNFNFNDCHCQSLVWVEEGRMTENIVEVAKAVLGGAPVRLDVKNKGSEDIYPTCVIITS
 NGDLTVTVDGPVYSTQHQEALQTRITMFQFQRMVPDGLAPLPEEEVRSFFKLGEQELNMKTPPEEFRVP
 RNFDKQPMASSTNPKALCAPMEDNQVQWSEDDWFPPPTQKKRRELQETPPTTPSEVIELSSPSPLADA
 PPRTPDSLGEISLTPTSVSQIVSAPFPDETAERYGAGDIESFVSEHVFADADWATRLHICPPGGPKPYGLF
 WTYLWSREFWRFKQSLSRSEAHLINRRFIWAWW

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NC_007018

ORF Size: 1989 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_007018.1, YP_238482](#)

RefSeq ORF: 1989 bp

Locus ID: 3416585

MW: 75.0 kDa