

Product datasheet for **VC102079**

ORF2 (NC_007018) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ORF2 (NC_007018) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF2
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 VC102079 represents NCBI reference of YP_238483 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGC**

ATGAGCGCCGCCGACGCTTATAGACCTGGAGGAAAGCTCCCACTCGACGAACTGATGCAGCGGATGAACC
GGGCCATCCCCGTGGGACCAGAACCCTCCTCCCAAGCCAATAGAGGCGGGGGCCCTACCAGACCACTT
CGCTATTGGCATCATGTACAGCAAGGCCTTTCAGGGGCTCCTGCGGTTTGCCAACGCCCTGCCCCCGAG
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GGTACCGGTGTACCTCGACATGACCGGCTGCTCATCTCCGTCGCCCCACCGGAGCGCTAACAAGCT
GCGGCAGCGCCGCTGGGATTACCCATAGCAAAGCCCCAAACGCCGAATCCCTCCGGGGCATCGTCCGG
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CGTGGGGGTGCACCTGGTGAGCGACTCCCGGGACGAGGGGGCCGATAGCCTGGTGAGGCCGACCTCGAG
CGGCCCCGTGGCGCGGCTCACACTGCCCGGCTACAACATATGTGCGGCCAGGGAACCCCTGGACAGCG
GCCCCACCCAGGGCCCCGTGGACGAGGCCGCCAAGCATCACGACGAGCGGTACGCCGAGATGATCGAGCA
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TGAAGGTCAAGGCACAGTGGATCGGCGGGACCACTTCAGCGACAGCGTCTGATCACCAGCCACACCCG
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CACC CGGTACCAAGCGGGGGGACCGATACCGTGTACAGCCCCAAGCTCTACCAGGAGCCAGTGTTCCTCC
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CAATTCCTCAAGGATCCCAACACTCCTGTCTATGAGGTGCCCTCCGACCAATGGATCGCCAGAAATTAC
AGCCATCTCTC

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence: >VC102079 representing YP_238483
Red=Cloning sites Green=Tags

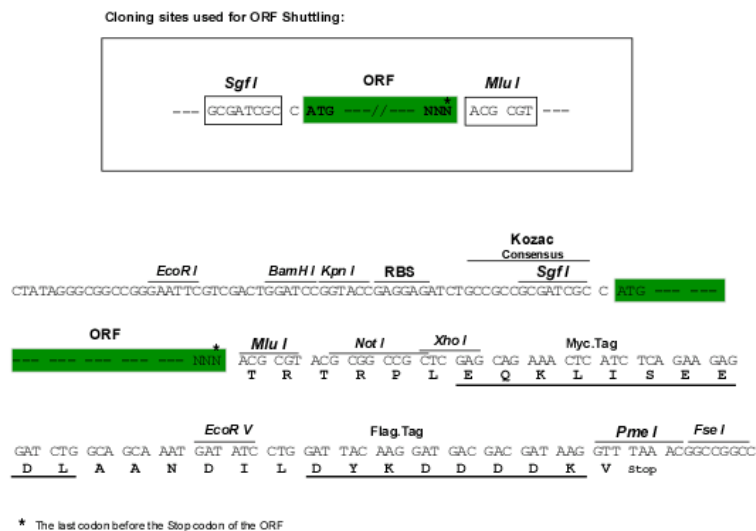
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RRGDITHLADVVGNAIRGLWQAKETVGDIAADVQLSQVLPPAPPSSDQQPAYSAGEPSAKKARIGTPDES
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LFPGAVWNPPLSYDCQIWTKIPNTECHFFAQYPLLGGWGVLTTPPMIFVKLRSQPGPPSPAHTVPQSN
LNQYAIHFLHYSMQFLVKRRKRSRRHNPEKPAPFPTTDSGRMPFTLANSLKDPNTPVYEVPDQWIARNY
SHLL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NC_007018

ORF Size:	2742 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:	<u>NC_007018.1, YP_238483</u>
RefSeq ORF:	2742 bp
Locus ID:	3416586
MW:	101.1 kDa