

Product datasheet for **VC102298**

ORF008R (NC_003494) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ORF008R (NC_003494) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF008R
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 VC102298 represents NCBI reference of NP_612230 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAATTATACGAAAGCAAGAGAATTGGGACCATGGCCCCATCCCAAGTATTGTGTTCTGCTCTGCTGA
CCCTGCCAATCTCTGGGAGTCAGCTGTATCAGCCCAATGTCAGTCAATGATGCAGGATGACAAGCTGAG
ACTGGAGTGCTCCACCCCTTATACACTGAACCGGACCATGGGTTGCAGCTCATGTGGGCTGATCCGCTG
ACGAACCTCACTGTGATGCCGGTGTGGATGGCCACACACTTGTCAACCGCACCCCTCAGAGAACACCTGG
GGAGTGTGCCTGTTGCATTGCCTTAACGGAGTCTGTGTCGAGCCTCCAACCACCCCCACCGCTCTCCC
CGATGCGTGGTCCGCTACACATTTACAGCCTCCATGGTAATTCGAGGAATGACGCCCTACGTCGCCGTC
CCATGTCCTCGCGAGGATGGGTACTCATACAGGTGGAGTGTGCCACCCCGATGGAGCCATGGAAGTT
TGCAGAGTCACAAGCAGCTCTACAGCGATTACCGACTGAGACAGCCATCGGTTCCGGTACTCAGTGTTA
TCATATGAGCACAACCTGGGGATATGACGGTCGAGGTGACTTGCTTCACTGATACCGTGTTCATCTGTAGA
GGGTACAATTTCAACGGTGACATGCGGCACGTGCATATGCATTGGATCCACTCCCACGAGAAGGTACACA
GACAGAATATGTGACATGTGGTCACACAGAATTCGACTGCGAAGTCTCATGCGCGGCCCTGGCAGATGC
GCAAGTGCCAATGGTGAATACGACAACGAGTGGCACGTCGGTAACTATGGCGTGGGCCATATGAAAGGC
CCCATTATCTGTGATGTGGCTACAGGAATTCATCGATAGTGCCTATATCACTGTGATGGAGGCCCG
TATGCACTTTACCACTATGCTGCATTTGGTAGTCGCGCGGGATGTGTGCAAGATACAGGATCTGCAA
GTACACGTGCGTCGCAATGGCTCTAATGTCTGGAAATGAACATTACGTGACAGAAATCTATATCAAT
TCCACCTGGCCACAGTTACACTGGACCGAGACGATAATTACACAGTTAGCATGTATATGGTCGACGTGA
GACCTCCTGGAGTCCACGTGGTGTGTGAGTATGGCGGCTTCCAGCACACCATGTTTCGTGGCCAGCCCTAA
TATTATGGCAACAGTTTACCTGGTCCACCAGCTCCAACCGATCGCGACGACGATCGATGGACTGTTCTCT
ACCGGGCCAGGAACCCCGAAACGATCAGCATGAACGGTGCCTGCGCGGGTGGCAATTGTGCATGACAG
CAGCCCTGGTACTGACGACAGCTGAGTGTGATGGATGCGGTGGCATGCCCTCTGCGCGAATCATGGCA
CTGTACCTGCATGTGTGATAAGCCTCAGACCACCGAGTGTGACAGTGCAGTGTGGACTGTGATAAT
CCTTACGTGATGCAAACAGAGGATTGTGGGTGCCGCGTATACAATGCCACCTGGTGCAGTCAACCTGCT
GCAGCGGAGTTTCGGACATAGTTCAGCCGGAGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC102298 representing NP_612230

Red=Cloning sites Green=Tags

MNYTKAKRIGTMAPIPSIVFVLLTLPISGSQLYQPNVTAMMQDDKLRLECSTPYTLNRDHGLQLMWADPL
TNLTVMPVVDGHTLVNRTLREHLGSVACCIALNGVCVEPPTTPTALPDALVRYFTASMVIRGMTPYVPV
PCPREDGYSYRWSAAPPWRWSHLSLQSHKQLYSDYRTEAIGSGTQCYHMSTTGDMDVDVTFDTDFICR
GYNFNGDMRHVHMHIHSHEKVHRQNYVTCGHTEFDCEVSCAALADAQVPMVKYDNEWHVGNVYGVGHMKG
PDYLSGGRNSIDSAYITVDGGTVCNFTMLHLVVGRCVQDTGSCKYTCVANGSNCPGNEHYVTEIYIN
STLATVTLDRDDNYTSMYMDVDRPPGVHVCEYGGFQHTMFVSPNIMATVSPGPPAPTDRDDRWTP
TGPPTPGNDQHERCVRRCELMTAALADCTAECHGCGMPPLRESWHCTCMCDKPQTTECCRVTCLDDN
PYVMQTEDCGCRVYNATWVDSTCCSASFHSSRR

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NC_003494

ORF Size: 1575 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_612230](#)

RefSeq ORF: 1575 bp

Locus ID: 935345

MW: 58.0 kDa