

Product datasheet for **VC101662**

ORF29 (NC_009333) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ORF29 (NC_009333) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF29
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 VC101662 represents NCBI reference of YP_001129382 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTTCTCTCCCGACACAGGGAACGGCTGGCAGCCAACCTTCAGGAAACCGCAAAGATGCAGGCGAGC
GATGGGAGCTTAGCGCACCCACATTTACAAGACATTGCCCAAAACTGCTAGAATGGCACATCCTTTCAT
AGGAGTGGTCCATAGGATCAACAGCTACTCAAGCGTTCTCGAGACCTACTGCACCCGCCATCATCCAGCT
ACCCCAACATCTGCAAATCCCGACGTGGAACTCCGAGGCCATCCGAGGATAACGTGCCCGCCAAGCCCC
GGCTGCTGGAGTCACTTCAACCTACCTGCAAATGCGGTGTGTGAGGGAAGACGCTCACGTCTCTACGGC
GGACCAGCTTGTGAATATCAGGCCGCCGAAAGACCCATGATTCAGTGCACGCATGCTCTGTTTACAGA
GAGCTCCAGGCCCTCCTCGTTAACCTTTCTTCTTCTGAACGGTGTCTACGTCCCTGGAGTTCAGTGGT
TGGAAACCTTTCAACAACAACCTGGTTATGCACACATTCTTCTTGGTGTCAATCAAAGCTCCCCAGAA
AACACACCAGCTCTTCGGGCTGTTAAACAGTACTTCGGTCTCTTGAGACCCCTAACTCCGTACTTCAA
ACATTCAAACAGAAAGCATCTGTTTTCTCATTCCAGGCGGCATGGGAAGACCTGGATAGTTGTGGCCA
TTATTAGTATGCTGTTGGCTAGTGTGAAAAATATAAACATTGGGTATGTGGCTCACCAAAAAATGTGCG
AAACTCTGTGTTCCGCAAAATTATTAACACTGTGTCGGTGGTCCCGCCTAAAAACTGAACATCAAA
AAGGAGAATGGTACCATTATCTACACCCGGCCAGGAGGTAGGAGCAGCTCTCTCATGTGTGCAACATGCT
TCAACAAGAATTAATAAGGGTTCAGACCTTAACTGCTTTATGTGGACGAGGCCAACTTTATTAAGAA
GGACGCCCTGCCGCCATTTGGGATTCATGCTCAAAAAGATGCAAACTGATTTTCATCAGCAGCGTT
TAGACTATGTTTGCCTGACACCCGCAAGACTTTCATCTTCAAGATGCACTGGTCTCTTGCCCTGTTA
CCGACTCCACATTCCTACATATACACAATTGACGAGTCAATCAAGACCACCACTAACCTTTCATGGAA
GGGCTTCGATACTGAGCTGATGGGGAGGGAGCCGCTTCAAGTAATGCTACGCTTTATCGGGTCGTCG
GGGACGCCCTGACTCAATTCGACATGTGTAGAGTAGACACAACAGCTCAGCAGGTCCAGAAATGTCT
GGGCAACAGCTGTTTGTGTACATTGATCCCGCTATACCAACAATACCGAGGCTAGCGGAACAGGCGTC
GGGGCGGTGTCGACGTCCACTCAGACGCCAACTAGAAGCCTGATCCTGGGCATGGAACATTTCTTCTGC
GGGACCTACCGGAGCCGACGCTATGAGATTGCGTCTTGGCCCTGCACAATGATAAAGGCTATCGCCGT
GTTGCACCAACTATTGAGAGGGTTAATGCGGCTGTTGAAGGTAACCTCCTCACAGGATTCGGAGTCCGT
ATCGCCACGGTGTCAATGAGATTTGCCACTTCCAATCCATTTCTCCACTACACAGACAAATCATCCG
CACTCCAGTGGCCTATCTATATGCTGGGAGGCGAGAAATCCAGCGCATTGAGACATTTATTTACGCACT
TAATAGCGGAACCTTAGCGCTAGTCAAACGGTGGTGGAGCAACTATTAATAACAGCTTCGACCCAGTG
ACTTACCTGGTGGAGCAGGTGCGGCCATCAAGTGTGTGCCCTTGGAGACGGGGCCAGTCCACTCTG
CGAAGCAGAAGCACATGAGTGACGACCTGTTGGTCGCAGTGGTGTGGCGCATTTTATGGCGACTGACGA
CCGCCATATGTACAAACCCATATCACCACAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC101662 representing YP_001129382
Red=Cloning sites Green=Tags

MLLSRHRERLAANLQETAKDAGERWELSAPTFTRHCPKTARMAHPFIGVVHRINSYSSVLETYCTRHPHA
 TPTSANPDVGTPRPSEDNVPAPRLLLESLSTYLQMRCVREDAHVSTADQLVEYQAARKTHDSLHACSVYR
 ELQAFVLNLSNFLNGCYVPGVHWLEPFQQQLVMHTFFFLLVSIKAPQKTHQLFGLFKQYFGLFETPNSVLQ
 TFKQKASVFLIPRRHGKTIWIVVAIISMLLASVENINIGYVAHQKHVANSVFAEIIKTLCRWFPPKNLNK
 KENGTIIYTRPGGRSSSLMCATCFNKNSIRGQTFNLLYVDEANFIKKDALPAILGFMLQKDAKLIFISSV
 NSSDRSTSFLNLRNAQEKMNLNVVSYVCADHREDFHLQDALVSCPCYRLHIPTYITIDESIKTTTNLFME
 GAFDELMGEGAASSNATLYRVVGDAAALQFDMCRVDTTAQVQKCLGKQLFVYIDPAYTNNTASGTGV
 GAVVTSTQTPTRSLILGMEHFFLRDLTGAAAYEIASCACTMIKAIIVLHPTIERVNAAVEGNSSQDSGVA
 IATVLNEICPLPIHFLHYTDKSSALQWPIYMLGGEKSSAFETFIYALNSGTLASQTVVSNITIKISFDPV
 TYLVEQVRAIKCVPLRDGGQSYSAKQKHMDDLLVAVVMAHFMATDDRHYKPISPQ

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NC_009333

ORF Size: 2061 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_009333.1](#), [YP_001129382](#)

RefSeq ORF: 2061 bp

Locus ID: 4961443

UniProt ID: [Q2HR82](#)

MW: 76.5 kDa