

Product datasheet for **VC101631**

ORF4 (NC_009333) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ORF4 (NC_009333) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF4
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 VC101631 represents NCBI reference of YP_001129351 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCTTCTTGCGCCAAACACTCTGGATTTTGTGGACATTCACAATGGTAATCGGACAGGATAATGAAA
 AGTGCAAGTCAGAAGACCTTGATCGGTTACCGGCTTAAGATGTCAAGAGACGGAGACATCGCGTTGGCGA
 GACCGTGGAACTGAGGTGTGGAGCGGGTACACGACCTACGCACGCAACATCACCGCAACTGTCTCCAG
 GGGGGCACTTGGTCCGAGCCGACCGCGACCTGCAATAAAAAGTCTTGCCCGAACCTGGTGAATCCAAA
 ACGGCAAGGTGATCTCCATGGTGGCCAGGATGCACTGAAGTACGGGGCTAATATCTCTACGTGTGTA
 CGAGGGTACTTCTGGTAGGACGGGAATACGTTAGATATTGCATGATTGGGGCCAGCGGACAAATGGCA
 TGGAGCAGCTCTCTCCCTTCTGCGAAAAAGAAAGTCCACCGCCGAAAAATCGAAAAATGGCGACTTTA
 AGCCAGATAAGGACTACTACGAATATAACGACGCTGTACACTTTGAGTGAACGAAGGCTACACACTGGT
 GGGGCCACTCAATCGCTTGTGCAAGTCAACAACCTTGACGCTAATATGCCAACATGCCAACTGGCG
 GGGTGCAAGTTCCCGTCTGTACGCACGGCTATCCCATCCAGGGATTTCTCTGCATACAAGCACAAAAC
 AGTCCGTGACATTCGCTGTAACGACGGCTTCGTACTGCGAGGAAGTCTACCATCAGATGCAATGTTAC
 CGAGTGGGATCCTCTCCCTAAGTGCCTGCTGGAGGACATTGATGACCCTAACAAATCAAATCCGGGC
 CGCCTGCATCCCACACCTAACGAGAAGCCGAACGGCAATGTGTTCCAAAGATCTAATTATACAGAGCCCC
 CAACCAAGCCAGAAGATACTCATACCGTGCACATGCGATACAACTGCGAGCAGCCACCAAAAAATTTT
 GCCCACCTCAGAGGGATTCAACGAAACAACCACCAAGTAAACAATTACGAAACAATTGGAAGACGAGAAA
 ACTACATCCCAACCGAATACACATACACTAGTCCCTGACCAGTATGAAAGCTAAGGGCAACTTTACCA
 ATAAAACGAATAATCCACCGACCTGCACATCGCATCAACTCCGACATCTCAGGACGACGCTACCCCTC
 TATACCCAGCGTTCAAACACCTAACTACAATACCAATGCTCCAACCTCGGACACTCACCTCCCTGCACATA
 GAGGAAGTCTAGTAACAGTACTACCTCAGAGAAGGCAACTGCATCTACGCTGTACACAAATCCACACA
 AGAATGATACCGGGGCATCTACACCACGCTTAATAAGACTACACAGCTGCCATCAACTAATAAACCTAC
 CAACTCCAGGGCAAATCCAGCACCAACCCCGCTGGAACTCATAACAAGACAACATCCAACCCCGCA
 ATTTCTCTGACTGATAGTGTGACGTTCCACAGCGGCTCGGGAGCCCACTGCCACCCATTTTTCGGC
 CTCTGCATCAAAGAATAGATACCTGAAAAGCAGTTGGTCATCGGCTTGCTTACTGCGGTGCGGCTGAC
 GTGTGGGCTCATTACCCTTCCACTACCTGTTCTTCAG

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101631 representing YP_001129351
 Red=Cloning sites Green=Tags

MAFLRQTLWILWFTMVIQDNEKCSQKTLIGYRLKMSRDGDIIVGETVELRCRSGYTTYARNITATCLQ
 GGTWSEPTATCNKSCPNPGEIQNGKVI FHGGQDALKYGANISYVCNEGYFLVGREYVRYCMIGASQMA
 WSSSPFCEKEKCHRPKIENGDFKPKDYEYNDVAVHFECNEGYTLVGPHSIACAVNNTWTSNMPTCELA
 GCKFPSVTHGYPIQGFSLTYKHKQSVTFACNDGFVLRGSPITCNVTEWDPPLPKCVLEDIDDPNNSNP
 RLHPTPNEKPNVQFQRSNYTEPPTKPEDHTHAATCDTNCEQPPKILPTSEGFNETTTSNTITKQLEDEK
 TTSQPNTHTSALTSMAKGNFTNKTNNSTDLHIASPTSDATPSIPSVQTPNYNTNAPTRTLTSLHI
 EEGPSNSTSEKATASLTSNSHNDTGGIYTTLNKTTQLPSTNKPNTNSQAKSSTKPRVETHNKTTSNPA
 ISLTDSDVQRPREPTLPPIFRPPASKNRYLEKQLVIGLLTAVALTCGLITLFHYLFFR

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC_009333

ORF Size: 1650 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_001129351](#)
RefSeq ORF: 1650 bp

Locus ID: 4961488

UniProt ID: [Q2HR82](#)
MW: 60.7 kDa