

Product datasheet for **VC101632**

ORF6 (NC_009333) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ORF6 (NC_009333) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101632 represents NCBI reference of YP_001129352 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCATTGAAAGGTCCCAGACACTTGAGGAGAATATCGGGTCTGCCGCGCCTACCGGCCATGCGGCT
ACCTGTACGCATACGTTACCCATAATTTTCCCATTGGCGAAGCTAGCCTTCTCGGTAACGGTTACCCCGA
GGCTAAGGTCTTCTCTCGCCACTTTGCACGGTCTGACCGTTGAATCTGACTTCCCCCTGAATGCTCAAG
CGGTGCATAAAAAAATGTAGCCACCACGGCGTCTGTGAAGCTTACTTCCATACCATAGAGAAGCCATAG
TTTTCCACAACACACACCTGTTTCAGCCAATTTTCCAGGGCAAGGCCTGGAGAACTCTGTCGGGAGTC
CAGAGAGTTGTTGCGGTTCTCCACCTTTGTGGAACAGCAGCATAAAGGTACCCCTCTGGAGTCCAGAAGCC
TGCCCTCAGCTTCCTTGCGCCAACGAAATCTTCATGGCTGTAATCGTGACTGAGGGATTCAAAGAGAGAC
TGTATGGCGGTAAGCTCGTCCCAGTGCCAAGCCAGACGACACCAGTTCATATTGGAGAACATCAGGCATT
TAAAATCCCTCTGTACGACGAGGATTTGTTGCGGCCATCTCGCGCACAGGAACTCTGCAGATTTTACAAT
CCTGATATAAGCCGGTATCTGCATGACTCCATTTTACCAGGAAATGCACAGGCACTGCGCGTTAAGGACG
TGAGCACCGTGATCCAAGCCAGTGAGCGGCGAGTTCGTTACAGATCAGTATAAGATCCCCAACTGGTGCA
AGCCAAAGACTTCCCCAATGTGCTCCCGGGGCACAGATGGATCCACCCTCATGGTTCATCGACAGCCTG
GTAGCCGAGCTTGGTATGTCTTATGGCCTGTCAATTTATCGAAGGCCCCAGGATAGCTGCGAAGTGTGA
ATTACGACACCTGGCCAATTTTTCGAGAATTGTGAGACCCCTGATGCAAGACTGCGGGCACTGGAGGTTTG
GCACGCCGAGCAGGCTTTGCACATCGGTGCACAGCTGTTTGCCGCAAACAGCGTGTCTACTCTACGCGG
GTTGCCAAATGGCACAGAAAAATCAAAGGGGGGACGCTAATAGTACAACAGCTTTTATTTGCAGCATG
GCCTGGGATATCTTTCTGAAGCCACTGTGAAGGAGAATGGTGCCTCAGCCTTTAAGGGCGTACCTGTGTC
CGCCCTGGATGGGTCAAGTTACACACTTCAGCATCTGGCATATGCAAGCTCATTACAGCCACATCTTCTG
GCCAGAATGTGCTATTATCTGCAATTTTGGCCACATCATAAAAACACAAACAGTCAGAGCTATAACGTGG
TCGATTACGTGGGAACCGCTGCCCGAGTCAAATGTGTGATCTGTGCCAAGGCCAATGTCCCGCGTGTG
TATCAACACCCTTTTCTATCGCATGAAAGATAGGTTTCCACCTGTGTTGTCTAACGTAAAAAGAGACCCC
TATGTGATAACAGGAACGCCGGCACATATAACGACCTGGAAATCCTTGGCAATTTGCCACATTACAGG



[View online >](#)

AGCGCGAAGAGGAGGTAATCCCGTTGAAGACGCTCCAAAATATACCTATTGGCAGTTGTGCCAGAATAT
 CACCGAGAAGCTTGTCTTATGGGCATCAGCGAAGGGGGCGACGCACTGAGGACTTTGATCGTCGACATC
 CCCAGCTTCGTGAAGGTGTTAAGGGTATTGACTCCACCGTGGAGGCCGAGCTTCTGAAGTTCATAAACT
 GCATGATTAAGAACAAATTAACTTCAGGGAGAACATCAAGAGTGTCCACCACATCTGCAGTTCGCTTG
 TAACGTGTACTGGCAGGCTCCTTGCCCTGTTTTCTGACACTGTACTACAAGAGCCTTCTGACAGTGATT
 CAGGACATTTGTCTGACTAGTTGCATGATGTACGAACAGGACAATCCAGCCGTGGCATAAGTTCCTCTG
 AGTGGCTCAAGATGCACCTCCAAACAATGTGGACGAATTTAAGGGTGCCTGTTTTGACAAGGGAGCGAT
 TACAGGCGGCGAGCTGAAGATCGTGCACCAAGTCCATGTTCTGCGACCTCTTTGATACAGATGCTGCGATT
 GGCGGCATGTTTCTGCTCGAATGCAGGTGAGGATCGCTCGGGCCATGCTGATGGTCCCTAAGACGA
 TTAAGATAAAGAATCGGATCATATTCAGTAATTCACAGGCGCCGAATCTATCCAAGCCGGCTTTATGAA
 GCCCGCTCTCAGCGAGATTCTACATCGTGGGCGGACCCTATATGAAGTTCCTGAACGCCCTGCACAAG
 ACTCTGTTTCTTCAACCAAGACTAGCGCTCTCTATCTGTGCCACAAAATCGGTGAGACAACCAAGAACC
 CTATCCTCCAGGTGTTCCGGGAACATCTGACAGAGCTGTGCAATTATGTGAAGGCTTCTAGCCAGGC
 TTTTGAGGAAATAAATGTCTGGACCTCGTACCTGATACTCTACCAGCTATGCCAAGATCAAACCTGAAT
 AGTAGTATCCTTAGGGCATGTGGGCGAGCCAGTTCTATGCCACCACCCTGAGCTGCCTGTCTCCTGTTA
 CTAGCTCGTGCCAGCCGAAGAGTATCCACACGTGCTTGGGCCTGTGGACTTTCCTCACCCGATGAGTA
 CAGAGTCAAAGTCGCGGACGCACTGTCACAATCGTGCAGTCTACACTTAAGCAGGCGGTTAGCACAAA
 TGCCCGCTGAGACCAATTATAACCGTGCACCTCGTGGTCAACAAGTACACTGGCAGTAATGGGAATACTA
 ATGTCTTCCATTGTGCTAATCTGGGCTATTTCTCCGGGAGGGGCGTGGATCGGAATTTGAGGCCAGAAA
 CGTGCCTTTCAAAAAAATAATGTCTCTTCTATGTTGCGCAAACGGCACGTAATTATGACTCCCCTTGTG
 GATCGCTTGGTAAAACGCATCGTGGCATCAATTACAGGAGTTCGAGGCCGAAGCCGTCAAGAGGAGTG
 TGCAGAATGTACTGGAAGATCGGGACAATCCCAACCTGCCTAAGACCGTGGTGTGCGAGTTGGTTAAACA
 CCTGGGCGAGTGTGCTCTCTGACCGAAGAGGATGTAATCTATTACCTGGGCTTACGCCCTACTT
 GGAGATGAGGTTCTGTCCCTGCTGTCAACCGTGGGGCAGGCCGGCGTCCATGGACGCGCCGAGGGCGTTG
 CCTCTGCATCCAGGATATCATCGATGACTGTGAACCTCAATTCTGAGGGCCAGAGGAACCTGTCTGAT
 TCAGGGTCAGTCTGTAGTTGAGGAACTCTTCCAAGTCCCGGTGTGCTAGCCTTACAGTTGGCAAAAA
 CGCAAGATAGCCAGCCTGCTGAGTGACCTCGACCTG

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101632 representing YP_001129352
 Red=Cloning sites Green=Tags

MALKGPQTLLEENIGSAAPTGPCGYLYAYVTHNFPIGEASLLGNGYPEAKVFSPLLLHGLTVESDFPLNVK
 AVHKKIDATTASVKLTSYHREAI VFHNHLFQPIFQKGLEKLCRESRELFGFSTFVEQQHKGLWSPEA
 CPQLPCANEIFMAVIVTEGFKERLYGGKLVVPSQTTPVHIGEHQAFKIPLYDEDLFGPSRAQELCRFYN
 PDISRYLHDSIFTGIAQALRVKDVSTVIQASERQFVHDQYKIPKLVQAKDFPQCASRGTDGSTMVIDSL
 VAELGMSYGLSFIIEGPQDSCEVLNYDTWPIFENCETPDARLRALEVWHAEQALHIGAQLFAANSVLYLTR
 VAKLPQKNQRGDANMYSFYLQHGLGYLSEATVKENGASAFKGVVPSALDGSSYTLQHLAYASSFPHLL
 ARMCYYLQFLPHHKNTNSQSYNVVDYVGTAAAPSQMCDDLQGGQCPAVCINTLFYRMKDRFPVPLSNVSRDP
 YVITGTAGTYNDLEILGNFATFREREENPVEDAPKYTYWQLCQNI TEKLASMGISEGGDALRTLIVDI
 PSFVKVFKGIDSTVEAELLKF INCMIKNNYNFRENISVHHILQFACNVYQAPCPVFL TLYYKSLT VI
 QDICTLSCMMYEQDNPAVGI VPSSEWLKMHFQTMWTFKACFDKGAITGGELKIVHQSMFCDLFDTDAAI
 GGMFAPARMQVRIARAMLMVPKTIKIKNRIIFSNTGAESI QAGFMKPPASQRDSYIVGGPYMKFLNALHK
 TLFPSKTSALYLWHKIGQTTKNPILPGVSGEHL TELCNYVKASSQAFEEINVLDLVPDRTLTSYAKIKLN
 SSILRACGQTQFYATL SCLSPVTQLVPAEEYPHVLGPVGLSSPDEYRVK VAGRSVTIVQSTLKQAVSTN
 GRLRPIITVPLVYNKYTG SNGNTNVFHCANLGYFSGRGVDRNLRPE SVPFKNNVSSMLRKRHVIMTPLY
 DRLVKRIVGINSGEFEAEAVKRSVQNVLEDRDNP LPKTVVLELVKHLGSSCASL TEEDVIYYLGPYAVL
 GDEVLSLLSTVGQAGVPWTAEGVASVIQDIIDDCELQFVGPEEPCLIQQQSVVEELFPSPGVPSLTVGKK
 RKIASLLSDL

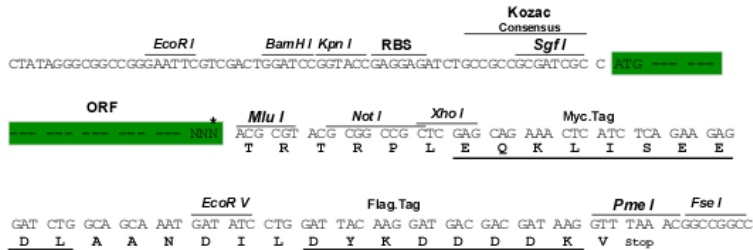
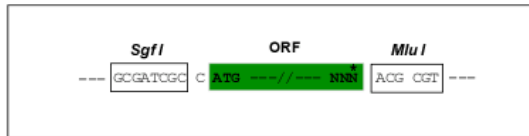
TRTRRLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN:

NC_009333

ORF Size:

3396 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:	<ol style="list-style-type: none">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_009333.1</u> , <u>YP_001129352</u>
RefSeq ORF:	3396 bp
Locus ID:	4961521
UniProt ID:	<u>Q2HR82</u>
MW:	125.4 kDa