

Product datasheet for **VC101636**

ORF10 (NC_009333) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ORF10 (NC_009333) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101636 represents NCBI reference of YP_001129356 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGACAGAGGCTACATTTATTCTGGGAGATTGGGAGATTACCGTTTCTAACTGCAGGTTACAGTGCT
CCAGCCTGACTTGGGGCCTCTGTATAGGTCCTCAGGCGACTATACAAGGCTCCGGATCCCTTTTAGCCT
TGACAGGCTTATCAGGGACCACGCTATATTCGGTTTGGTGCCTAATATTGAAGACCTGCTGACCCACGGA
TCATGTGTGGCGGTCGTGGCCGATGCGAACGCTACCGGGCGAAACGCACGGAGGATCGTTGCCCCAGGTG
TCATCAATAATTTTAGTGAACCCATAGGCATCTGGGTCAGGGGACCACCCCGCAGACACGAAAAGAAGC
GATAAAATTCTGCATCTTTTTCTCAGCCCACTGCCCCCGGGAAATGACCACGTACGTCTTCAAAGGC
GGTGACCTTCCCCCGGGCAGAGGAGCCGAAACATTGCACTCAGCTGAGGCCCCCTCCCTCTAGGG
AAACCCTGTACAGGACAATTGAGGTCTACATCCCCACGCACTTATACCGGCTATTTTCACTCCCCGT
TCCACTCTCCTTCTCGATCTCCTGACCTTTGAAAGCATGGGCTGCGAAAATGTGGAGGGTGATCCCGAA
CCATTGACCCCAAATACCTCACCTTACACAGACAGGGAAAGGCTGTATAAGGTGACAGTGCATAATA
CCCATTCAACCGTTGCAAGAAAGCGAGGATCCGGTTTGTCTATCGGCCACACCATCTGCCGACAGCT
GGTAATGGGGCAGGCCTCACCTTGATTACAACCCTCTGGGCGCCAGAGTGTGGCCGTGATACCCGAC
TGTGAGAAGACTATCCCTCCTCAGGAGACTACTCTGCGAATACAACCTGTTGTTGAGCAACACGGCG
CCAATGCCGGGAATGCGCGTTCGTAATCATGGGACTTGCTAGAGAGACCAAATTCGTGTCTTCCCCGC
GGTGTGCTCCCGGGAAACACGAGCACCTCACTGTGTTAAACCCACAAACCCACCTTTGACTATCCAG
CGGGACACCATCGTCGGCGTGGCAATGGCTGTTACATCCATCCAGGTAAGCCGCATCCCAAGTCCCT
ACTCCTTTTACGACTGCAAAGAAGATCCTGGCACGTCGGTCTCTTCCAGATAAAGCACGGCCAGGGGG
CGTCTGTACTCCACCTTGTATGTAGCCATCAGGGCAGATAGACACGAGGAACCCATGCAGAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >VC101636 representing YP_001129356
Red=Cloning sites Green=Tags

MQTEATFILGDWEITVSNCRFTCSSLTCGPLYRSSGDYTRLRIPFSLDRLIRDHAIFGLVPNIEDLLTHG
 SCVAVVADANATGGNARRIVAPGVINNFSEPIGIWVRGPPPPQTRKEAIKFCIFFVSPLPREMITYVFKG
 GDLPPGAEEPETLHSAEAPLPSRETLVTGQLRSTSPRTYTYGFHSPVPLSFLDLLTFESMGCENVEGDPE
 PLTPKYLTFQTGERLYKVTVHNTHSTACKKARIRFVYRPTPSARQLVMGQASPLITTPLGARVFAVYPD
 CEKTIPPQETTTLRIQLLFEQHGANAGECAFVIMGLARETKFVSFPAVLLPGKHEHLTVFNPQTHPLTIQ
 RDTIVGVAMACYIHPGKAASQAPYSFYDCKEESWHVGLFQIKHGPGGVCTPPCHVAIRADRHEEPMQS

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_009333

ORF Size: 1254 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_001129356](#)

RefSeq ORF: 1254 bp

Locus ID: 4961456

UniProt ID: [Q2HR82](#)

MW: 46.1 kDa