

## Product datasheet for **VC101657**

### ORF24 (NC\_009333) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ORF24 (NC_009333) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF24
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 VC101657 represents NCBI reference of YP\_001129377 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCCGCGCTTGAGGGTCTCTGCTCCTGCCGCCAGCGCTAGCCTGACGACCAGTCCCCAGACCACTT  
GTTACCAAGCCACCTGGGAATCTCAACTGGAGATCTTTTGTTCCTTGCACCAACTCACATCTGCAGGC  
CGAACTCACACTGGAAGGTCTTGATAAAATGATGCAGCCGGAACCTACTTTTTTCGCTGTGGGCCATC  
AGACGACTCCTGCTTGGGAAAGGCTCCACCCATTATTACCAGGAGGGTACCTTGCTCGGAAAGGTAG  
GACGCAGATATAGTGGAGAGGGTTGATTATAGATGGCGGAGGCGTCTTACCCGGGGCAAATGATAC  
AGACAATTATCTCCCGCAGTAGGTTCTGGGAGCTCACAGACGACTGTGACAAGCCATGCGAATCCGA  
GAACTTCGGAGCTTGATCTGCCGCTCTCCTGACCTGCACAATCTGCTATAAGGCCATGTTCCAGGATTG  
TGTGTCGCTATCTCGAGTCTGGGAATTCGAACAATGCTTCCACGCTTCTGGTGTGCTTCTCATAG  
CCTGCAGCCTACAATATACAGAACTATTTTGGCTGCTCGAAAGCCTCAAACACCTGCTATTTAGTATT  
ATGCCCCAGCTTCCCCGATGCTCAGCTTCACTTCTTGAAGTTCAACATCAGCAGCTTTATGGCCACTT  
GGGTTGGCACGGAGAGCTGGTGTCACTCAGGCGGCCATCGCTCATAACGTGGAGAGACTCCCTACAGT  
ACTTAAGAATCTTTCTAAACAGTCCAAACATCAAGATGTCAAGGTAATGGGAGGGACCTGGTGGGGTTC  
CAATTGGCCTTGAACCAGCTCGTGTCTCGGCTTCAAGTCAAAAACAGAGAAAAGACCCCGGCCCTAAGC  
CCTACCGGGTCTGGTGTCCACACCAGACTGTACTTATTCTGGTGTATCCTGGCACACCTGCAATATA  
TAGACTCGTTATGTGATGGCAGTGCAGACTGTATAGGACACTCATGTAGCGGCTCCACCCGTGCGCC  
AATTTTTGGGTACTCATGAGACGCCAGGCTCCTCGCTGCCACCCTGTCTGCATACGGTATGCTCCTA  
AGGACCGCCGGGCGCCATGAAGGGCAACTTGCAGGCCTGTTTTAGAGGTACGCCGCCACAGACGCAAG  
GACCTCGGCAGCTCTACCGTCAGCGATATGCTGGAGCCAACTAAACATGTGCTCCCTGGAGAATTTCAAG  
ATTACCATTTTCAATACGAATATGGTTATCAATACCAAGATCTCCTGTCACGTTCCCAACTCTCCAGA  
AGACTATCCTCAACATCCCTCGGCTTACCAACAACTTCGTGATTGAAAAGTATTCTGCAAGGAACCGTC  
TTTACCATTTCAGTCTTCTTTTTCAGATAATATGTGTCAGGGGACGGCAATAAATATTAATATCTGGT  
GACATGTTGCACTTTCTTTTGAATGGGCACTTTAAGTGTCTCCTGCCGATAAGACATATTTCCCGG  
TCTCCATAGCCAACTGGAATAGCACCTCGATCTCCATGGACTCGAAAATCAGTACATGGTGGGATGGG  
CAGAAAGAAATGTCTTCTGGACCACAACTTTCCAAGTGTGTCGAGCTCCAAGATGGGTTGAACGTTAGC  
TGGTTTAAAGGCGCAACGGCTACCAATTAGCAAGGTCTACGGGCAGCCGCTGGTGGAAACAATTCGGCAGC  
AACTCGCCCCATCCTGACAGACCAGCAGCAAGGATCGATGGAATAAAAAATAGGATATTTTCCCTGTT  
GGAGCATCGGAATCGGTCCCAATACAAACCCTGCATAAGAGGTTCTCGAGTGTCTGGTGGAGTGTGT  
AGCTTTCTGAGGCTCGATGTGCGCTGCATTGCGCCGCGCCCGCTCGGGTCTTTTTCGACTTCAGCAAGA  
AGATCATCAGTCACACAAAATCTAAACACGAATGTGCCGTCTTGGCTACAAAAGTGAATCTGATTCC  
GAAAATCTATGCGCGCAACAAAAAACTAGACTGGACGAACTGGCAGGAACGCCAATTTTCATCAGCTTT  
GTGGCAACAACCTGGCACCGATTTCGAGCCCTGAAGCCCCAGATAGTGGCCATGCCATTCGAAAACCTGG  
GCCTCCATTGGAGGCACCGAACCCTGCCAGTAACGAACAACCCCTCCCGCCGACCCAGGGTACGATG  
TGTTCCGACCGTTGGTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >VC101657 representing YP\_001129377  
Red=Cloning sites Green=Tags

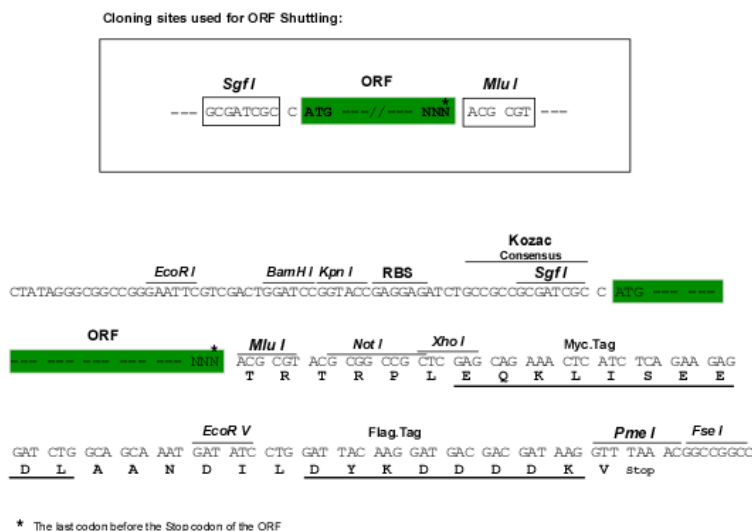
MAALEGPLLLPPSASLTTSPQTTTCYQATWESQLEIFCCLATNSHLQAELTLEGLDKMMQPEPTFFACRAI  
 RRLLLGERLHPFIHQEGTLLGKVGRYSGEGLIIDGGGVFTRGQIDTDNYLPAVGSWELTDDCKPCEFR  
 ELRSLYLPALLTCTICYKAMFRIVCRYLEFWFEQCFHAFVLAVLPHSLQPTIYQNYFALLESLKHLFSFI  
 MPPASPDAQLHFLKFNISSFMATWGWHGELVSLRRAIAHNVERLPTVLKNLSKQSKHQDVKNVGRDLVGF  
 QLALNQLVSRHLVKIQRKDPGPKPYRVVSTPDCTYYLVYPGTPAIYRLVMCAVADCIGHSCSGLHPCA  
 NFLGTHETPRLLAATLSRIRYAPKDRRAAMKGNLQACFQRYAATDARTLGSSTVSDMLEPTKHVSLNFK  
 ITIFNTNMVINTKISCHVPNTLQKTIILNIPRLTNNFVIRKYSVKEPSFTISVFFSDNMCQGTAININISG  
 DMLHFLFAMGTLKCFPIRHFIPVSIANWNSTLDLHGLNQYVMRGRKNVFWTTFNPSVSSKDGLENVS  
 WFKAAATATISKVYGQPLVEQIRHELAPILTDQHARIDGNKNRIFSLLEHRNRSQIQTLHKRFLECLVECC  
 SFLRLDVACIRRAAARGLDFSKKIIISHTKSKHECAVLGYKCCNLIPKIYARNKKTRLDELGRNANFISF  
 VATTGHRFAALKPQIVRHAIRKLGHLHWRHRTAASNEQTPPADPRVRCVRPLV

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**ACCN:** NC\_009333

**ORF Size:** 2256 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\\_001129377](#)

**RefSeq ORF:** 2256 bp

**Locus ID:** 4961485

**UniProt ID:** [Q2HR82](#)

**MW:** 85.2 kDa