

## Product datasheet for **VC101687**

### ORF54 (NC\_009333) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ORF54 (NC_009333) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF54
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101687 represents NCBI reference of YP_001129407 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCAGAGCGACTCCGCACCGCTCCCCCGCTCGAATATGTGTTTCGAGACGAGCAAGTCCGAATGACGT  
CAAGAGCCAACGAGGCCCGCTTGAGGCTGACGAACGAGTGTCTATATTGGTCCGACCGCATGAACCATT  
CATCATGCCTACAGGCATCCACTTCACCCGCACCCCTCATGTGCTTTTATTCTTACTGGCGAAACGGAT  
AAAGATGTTTTTGTCACTACTGGCCTCATAGATGGAGGGTATCGCGGAGAGATCCAGGTGATCTTGCTCA  
ATAAGAGAAAGTACCCCGTCACTCTGTACCGGGTGAGCTGAATATCTGTCTCAGCGCATTCAATTACGT  
GCTGCCACCCCTTGAGGGATGTGAGCTTTCTTACGCCTCCCATGTATGCCAATGATGCAGGCTTCGACGTG  
ATGGAATGCACAGCATGGTTATCCCCCTACCACGGACCAGCCTTTCATGATCTACCTTGGCGTGGAAA  
CTCCCGGGCCTCCAGAACCACATGTGGCACTCGCACTGGGTGCTCCGGGCTGGCTTCCAGGGGCATCGT  
CATTGATGTCTCAGAGTGGGGCCGCGCGGACTGCAGCTGAAGTTTTATAACTATTCAGGGCAGCCCTGG  
CTGGCGCAACCAGGCTCCCGGATCTGTGAGATCGTTTTCTGGAACGGAGACATATTCTGAAGGGCTTTA  
AAAAATGCTTGCACATCGGAAGCTCGCACCCGGCTTCGCTTTTCGGGAAGCTCGAGTTCACCTTTCGCGA  
GGACACTAATTCGTTAGGAAACATACCCATGAGGACAATCCCGTGCATGAGCCCAACGTGGCCACCGCT  
AGCGCCGACATCCGAGGCACAAAAGGCCTCGGCAGTTCGGGTTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >VC101687 representing YP\_001129407  
Red=Cloning sites Green=Tags

MQSDSAPLPRVEYVFETSKFRMTSRANEARLRLTNECPILVRPHEPFIMPTGIHFTRTPSCAFILTGETD  
 KDVFCHTGLIDGGYRGEIQVILLNKRKYPVTLYRGELNICLSAFNYVLPPLRDVSFLTPPMYANDAGFDV  
 MVMHSMVIPPTTDQPFMIYLVGVEVTPGPEPHVALALGRSGLASRGIVIDVSEWGPRLQLKFYNSGQPW  
 LAQPGSRICQIVFERRHILKGFKKCLRHRKLAPGVRFREARVHFREDTNSVRKHTHEDNPVHEPNVATA  
 SADIRGTKGLGSSGF

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NC\_009333

**ORF Size:** 885 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\\_001129407](#)  
RefSeq ORF: 885 bp  
Locus ID: 4961459  
UniProt ID: [Q2HR82](#)  
MW: 33.2 kDa