

## Product datasheet for **VC101689**

### ORF56 (NC\_009333) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ORF56 (NC_009333) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF56
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 VC101689 represents NCBI reference of YP\_001129409 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGACTACCTATCGCAGAGAGGCTCTCACTGTTCGGTAATCTTTTGTACGAGTGGCGACAGCGCTG  
AAACGATCGCCGATGTCCTTACTGGAGCACCTACCAGCGCATCATTCTTTAGCGTGTGCATGACCTGTT  
TACTCCCAGATTCTCGCTCCAAGAGTGACGCTGAAGCTGTCTCCCCGCAAGGAGACCGGAAATGGG  
ACACGATGCTCACCAGTGTCTGACTGCGCACAGACGCTAGCGTGGCAAGCGGATTCCTGGGCGGGCGCC  
CTCTCGAGGCAAGTGATATTAAGTATATGCTCCTCTGACCAGACAGCAGGGCTGTTAAAGCCTCTCT  
GGAGATCATCGGAGGCGCAAGGGCTCCTCCAATCAGGATGCTTGTACGTTCCAGTCTCAGTTCGCTTG  
CTGCGGACCAAGTTCGTACAGCCCTGAGGAAGCTGTACAAGATGACCCGTACCATACTGGATGTTGT  
CCGCATTTGGGGCTCAAGAAGCGCAATTTGTCCTGACCTCTCTTTTACTTCTTTGAGCACACAGTGGT  
GTGCACCACCGAAACTGTTAGCCATTTAGTTCGCCTCTTCTACCACAGCAGGGGCAAACCTCGTCTCC  
GTGACCAGTACAGGAGCTTGGACAGCTTATGGGACCAGCCCTTTAGACGCAGAGTTCAGCTTTCG  
TCGCGTACGTTAAAGAGAAGCTCGCCAGAGATTCTGAGAGACCGAGCCATCGACCGGACTATTGATCA  
GATCCGCGGCAAGTTGATGCTGTCAAATCAGGATCTTGTACACTTCATATATCTCATTTTACCAGTGC  
CTTAATAAGCGAGCATTCTCGGATATAGCAGGACAGCTCTTCTCCAGTGCCTGCGAGAAGTGGTG  
AAGATCCTCAGCTCTGCGGAGCACTGCACGGGAGTTCAGAGATCAGTGCAGTCTTACTACCACAAGAA  
GACCTATCTGTCAACTTACATCGACATCAGATACGTGGGCGGTGTTCTTCTGATGGTACTTTGGGGCA  
AGTTTGGTGGGGAGAGGTGCGTTTACTGGTGTGGCCAGTCCAAAGACACCGCCTCCCTGCTGGCCAAA  
TCTCTCAGCAGGTGCCTCATCTCAGGCTCCAGAATGAGTTTGCAGGAATGCTTACGTCGCTGCTCTGAG  
AGGCTCTGACGATGGCCAGTTTAAAGGAGGACTCTTTTCTCATAGCCAGGCTTTGCCCTGTATAGTGT  
GAATTTCTTGGCAAGCAGTTTTTTACTATGTTGCAGGAAGACGGTCTGGAGAGGACTGGGAGCAGTCA  
TCATTTTCCCGGAGATCAGGATTGGGATATGCTGTGACAGAAAGATCTGACGATCGGATATTTTATCA  
CGATCTGTCCCTCTTTTCCAACTCTGAAGGAGCAGTTGCTGGTGTCCCGCCACGAGTACTTTAACCT  
CGGCTCCAGTCTATAGTGGGTGCTGGATTTGATTTGCCAGTGTGACAGACATTGATAGGACCTTCG  
AGGAGGTGCACAGCTTGTGTTGAGTTTGCAGGAAAGCTATCCTGGATATTATCCAGTGTCTGGTCCAGT  
GGATCCCAGGACCATCCCGTCTATTTCTTAAAGTCCGATGTCCACCTGACGAGTGGCGGGGGAGGAT  
GTGGCCTCCACAAGTTTTTGCAGGTGCCAGATAAAGTGGGCATGCGGATCATCGTGCCTTTTCCGAGG  
GAGTTTGTGTTGGTGTAGTGAGCCATGGTCCGCTGACAGGTATCCTGAACAGGACCATTAAAGCTCGA  
TCCTGAGCTTGTGCACAGGTTCCCAAGTATCCAAAAGAAGGGCGGCCCTTTGACTGTGGCATAACGGC  
CGCGGAAGGTCTGTCCGACTGCCCACTGTTACAAGGTGGGCTCGTGGGAGAGCTTCCCGGCTCCTGA  
AGATTCTGGTGTGTATCCCGCACCTAATGGCAAAGCTCAATACGTGCGGCGGGCTTTACTCTCCGAGA  
ATTGCTCCATCACAGTCCCGGCACAGCGCCGGCCATGTTGGTGCATCATCTATTCTATCATGGACCGG  
AACGAGAATTTCTGGAGAACAAGACCATCAGTTACCTGCCGCCAAGATTCCCCACATTTTCAACGGA  
TTGAAACTCTGTGAGCCGGAGCATCGAGGACTGGTGCACAGCGCAGTGTGGGACAAAGCATAACGATAC  
TATCTGCAAATTTTCCCGGACGAGAAGGCCAGCAATTCAGCCACGTAGCATTACTCAGCAAGGAGAG  
AATATAATCCAGTCCGCCCACGCCAGGGGCGGCAATTTCTGTGCATTAACCATAATCACAAAAACAAGA  
GCAAGACTGTGCGGTGTTTCTCACCTCCATTCAATTCAGTGTCCGAGGTAACAGTCACTCTGATGAG  
CCAGTGTTCGCTAGTAAGTGAATAAATGTTCCAACAGCCATTTCTTTCTGTTGGTGGCCGTTGGGA  
TTGGCAAGC

**ACGCGT**ACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >VC101689 representing YP\_001129409  
 Red=Cloning sites Green=Tags

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METTYRREALTVRVIFCTSGDSAETIADVLTGAPTSASFFSVLHDLFYSQILAPRVTLKLCLPARRPGNG
TRCSPVLVLRDASVASGFLGGRPLEASDIKYMLLSDQTAGL FKPLLEIIGGARAPPNQDACTFQSQVAW
LRTKFVTALRKLYKMTPSPYWMLSAFGAQEAQFVLTSSFYFFEHTVVCTTETVSHLSRLFSPQQGQTLVS
VTSHEELGQLYGTSPFRRRVPFAFVAYVKEKLARDSLETEAIDRTIDQIRGKLMLSNQDLVHFIIYSFYQC
LNKRAFLRYSRQTSSSSALRELGEDPQLCGALHGEFRDHVQSYHHKTYLSTYIDIRYVGGVLPDGYFGG
SLVGERCYVWCGQSKDTASLLATISQQVPHRLQNEFAGMLDVAALRGSDDGQFKEGLF SHSQALPLYRC
EFLGKQFFTMLQEDGLERYWEQSVIFPGDQDWMMLSDKDLTYRIFYHDLSSLPLTKEQLLVS RHEYFNP
RLPVYRWVLDLFDLPVCRDIDRTFEEVHSLCCSLREAILDIIQLLGPVDPRTHPVYFFKSACPPDEWRGED
VASTSFCRCHDKLGMRIIVPFPEGVCVVGSEPMVALTGILNRTIKLDPELVHRFPSIQKGGPFDCGIYG
RGRSVRLPHCYKVLVGLV GELCRLKILVCHPAPNGKAQYVRRRAFTLRELLHSPGHSAGHVGRIIYSIMDR
NENFLENKTI SYLPAKIPHIFQRIETLSGRSIEDWLHSAVWDKAYDTICKFFPDEKAQQF SHVAFTQQGE
NIIQLRPRQGRHFLCINHNHNKNSKTVRVFLTLHSIRVSEVTVTLMSQCFASKCNNNVPTAHFSFVVPVG
LAS
  
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TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NC\_009333

**ORF Size:** 2529 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\\_001129409](#)

**RefSeq ORF:** 2529 bp

**Locus ID:** 4961445

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

**MW:** 95.6 kDa