

## Product datasheet for **VC100972**

### ORF31 (NC\_001348) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ORF31 (NC_001348) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF31
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 VC100972 represents NCBI reference of NP\_040154 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCACCATGCGGCTATTATTCCAAGTGGCGCAATAGAGACCGCCCGAATACCGCCGGAACCTGAGAT  
TTCGCCGCTTCTTCAGCTCTATCCACCCTAACGCTGCCGCGGAAGCGGCTTCAACGGGCCAGGAGTGT  
CATTACCTCCGTGACCGGAGTGTGGTTGTCTTTCTTTGTATCTTTTCAATGTTTGTACCGCAGTCGTG  
AGCGTCTCCCCAGTTCAATTTATGAGAGTCTGCAGGTGGAGCCACCCAGTCCGAAGACATAACTCGAA  
GTGCCACTTGGGAGACGGCGATGAGATTAGGGAAGCAATTCACAAGTCACAGGATGCTGAAACTAAGCC  
AACATTTTACGTATGCCCGCCCTACTGGCTCTACCATCGTTCGACTTGAGCCGACCCGAACTGCCCC  
GACTACCATCTGGGCAAAAACCTTACGGAAGGGATTGCCGTGGTTTACAAAGAGAATATCGTGCCTACA  
AATTTAAAGCAACCGTCTATTACAAAGATGTGATTGTAAGTACCGCATGGCCGGCTCCTCTACACCCA  
GATTACGAATAGGTACGCTGATCGCGTGCCATTCCAGTGTGAGAGATCACCGATACCATTGATAAATTC  
GGGAAATGCAGCTCAAAAGCTACATACGTGCGCAATAATCATAAGGTGGAAGCCTTTAACGAGGACAAGA  
ACCCACAAGATATGCCACTGATTGCTTCCAAGTACAATCCGTTGGATCAAAGGCCTGGCATAACAACCA  
CGACACCTACATGGTTGCGGGTACGCCAGGGACTTATAGAACCGGACAAGCGTGAAGTGTATCATAGAG  
GAGGTCGAGGCTCGGAGTATCTCCCTACGACTCTTTGGGCTGTCAACTGGAGACATTATTTACATGT  
CACCGTTTTTCGGCTCCGGGATGGCGCCTACAGGGAGCACTTAATTATGCCATGGATAGGTTTCATCA  
GTTTGAAGGCTATCGACAGAGACCTGGACACTCGAGCCTTGTGGAGCCAGCCGCGCAAAATTCCTC  
GTGACTCCACATTTGACCGTGGCTGGAATTTGAAACCCAAAGAGAACCAGAGGTTTGTCCCTCGTTAAGT  
GGCAGCAAGTCGAGGATGTGGTCAGGGACGAATACGCCCAACTTTTCGCTTTACAATGAAAACCTGTGTC  
TACCACCTTCATCTCCGAAACCAATGAGTTCAACCTGAACCAGATTACCTCAGCCAGTGTGTAAGGAG  
GAGGCACGCGCATCAACAGAATCTACACAAGTATAGATAATTCCTCACATGTGCGGACCGGAGACA  
TTCAGACTTATCTGGCCCGGGGATTCTGTGGTGGTGTCCAGCCTCTGCTCAGCAACTCACTGGCGAG  
ACTCTATCTGCAGGAGCTGGTCAGGAAAATACTAATCATTACCACAGAAAACCCCTACTAGAAAACACA  
AGGTCCGAAGGTCTGTCCCGTTGAGTTGAGGGCCAATAGAACCATTACCACAACGTCAAGTGTGGAGT  
TTGCCATGCTGCAGTTTACCTACGACCACATTCAAGAACAGTGAATGAGATGCTGGCTCGGATTAGTTC  
CAGCTGGTGTGAGTGCAGAACCGGGAACGGGCTTTGTGGTCTGGGCTCTTCTATCAACCCAGCGCT  
CTGGCTTCTACTATCCTGGACCAGCGGGTGAAGGCTCGAATACTTGGTGACGTCATCTCCGCTCCAATT  
GCCCCGAAGTGGGTCGACACCAGGATCATCCTGCAGAATCAATGCGCGTCTCCGGAAGCACAACCTCG  
GTGTTACTCCCGCCCTCATCTCTATAGTAAGTCTGAACGGATCAGGAACTGTGGAAGGACAGCTGGGA  
ACCGATAATGAATTCATGTCCAGGGACTTGTGGAACCGTGCCTCGCAATCACAAGAGATATTTCC  
TTTTTGGGCATCACTACGTTTATTACGAAGACTATCGGTACGTTCCGGGAGATCGCAGTTCACGATGTCGG  
TATGATCTCCACATATGTCGACCTCAATCTTACCCTTTTGAAGGACAGAGAGTTTATGCCTCTGCAGGTC  
TACACTCGGATGAATCCGGGATACTGGCTTGTGACTACTCCGAGATTACAGAGGAGAAATCAATGC  
ATAGCCTGAGGTTCTACGACATCGATAAGGTGGTGCAGTACGACTCAGGCACAGTATCATGACGGGGAT  
GGCACAGTCTTCCAGGGACTTGGTACAGCTGGCCAGGCTGTAGGCCACGTAGTTTTGGGGCAACGGGC  
GCCCTGTGAGTACCGTCCACGGTTTTTACAACCTTCTGAGCAATCCCTTTGGAGCTCTCGCGGTTGGTC  
TGCTGGTACTCGCCGGCCTGGTGGCTGCCTTTTTGCCTATCGGTATGTCCTTAAGCTGAAAACCTCACC  
TATGAAAGCCCTGTACCCCTGACTACCAAGGGCCTTAAACAGCTGCCGGAGGGTATGGACCCCTTCGCG  
GAGAAGCCTAATGCTACCGACACACCAATAGAGGAGATCGGGATAGTCAGAATACCGAACCCCTCCGTCA  
ACTCAGGCTTCGATCCCACAAATTCAGGGAAGCTCAGGAGATGATTAATACATGACTCTGGTGTCCGC  
TGCCGAGCGGCAGGAGTCTAAAGCTCGGAAGAAAAACAAGACCAGTGCCTCCTTACATCCCGGCTTACA  
GGATTGGCCCTTCGGAACAGGCGGGCTATTCTCGCTCCGACCGAGAATGTAACAGGGGTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC100972 representing NP\_040154  
 Red=Cloning sites Green=Tags

MSPCGYYSKWRNRDRPEYRRNLRFRFFSSIHFNAAAGSGFNGPGVFITSVTGVWLCFLCIFSMTAVV  
 SVSPSSFYESLQVEPTQSEDIRSAHLGDGDEIREAIHKSQDAETKPTFYVCPPTGSTIVRLEPTRTCP  
 DYHLGKNFTEGIAVVYKENIAAYKFKATVYKDVIVSTAWAGSSYTQITNRYADRVPIPVSEITDIDKF  
 GKCSSKATYVRNNHKVEAFNEDKNPQDMPLIASKYNSVSGSKAWHTTNDTYMVAGTPGTYSVNCIIE  
 EVEARSIFPYDSFGLSTGDIIYMSPFFGLRDRGAYREHSNYAMDRFHQFEGYRQRDLDRALLEPAARNFL  
 VTPHLTVGWNWPKRTEVCSLVKWEVEDVVRDEYAHNFRFTMKTLSSTFISETNEFNLNQIHLSSQCVKE  
 EARAIINRIYTRYNSSHVRTGDIQTYLARGGFVVVFQPLLNSLARLYLQELVRENTNHSPQKHPTRNT  
 RSRRSVPVELRANRTITTTSSVEFAMLQFTYDHIQEHVNEMLARISSSWCQLQNRERALWSGLFPINPSA  
 LASTILDQRVKARILGDVISVSNCPGELGSDTRIILQNSMRVSGSTTRCYSRPLISIVSLNGSGTVEGQLG  
 TDNELIMSRDLLEPCVANHKRYFLFGHHVYVYEDYRYVREIAVHDVGMISTYVDLNLTLKDFEMLQV  
 YTRDELRTDGLLDYSEIQRRNQMHSLRFYDIDKVVQYDSGTAIMQMAQFFQGLGTAGQAVGHVVLGATG  
 ALLSTVHGFTTFLSNPFGALAVGLLVLAGLVAFFAYRYVLKLTSPMKALYPLTTKGLKQLEGMDFPA  
 EKP NATDTP IEEIGDSQNTPEPSVNSGDFDPDKFREAEQEMIKYMTLVSAERQESKARKKKNKTSALLTSRLT  
 GLALRNRGYSRVRTENVTVG

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NC\_001348

<b>ORF Size:</b>	2793 bp
<b>OTI Disclaimer:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NC_001348.1</a> , <a href="#">NP_040154</a>
<b>RefSeq ORF:</b>	2793 bp
<b>Locus ID:</b>	1487662
<b>UniProt ID:</b>	<a href="#">P09310</a>
<b>MW:</b>	105.3 kDa