

Product datasheet for **VC100979**

ORF37 (NC_001348) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ORF37 (NC_001348) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF37
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>The Viral ORF clone VC100979 represents NCBI reference of NP_040160 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTTGCCTTTGTGCTGGCAGTAGTGATTCTGCCACTCTGGACCACCGTAACAAGTCTTATGTTACTC
 CTA CTCCGGCCACAAGAAGCATCGGGCAGATGTCGCGACTGCTGAGGGAGTATAGCGACCGGAACATGAG
 CCTCAAAGTGAAGCGTTTTACCAACAGGTTTCGATGAGGAGCTCATAAAAGTTTGATTGGGGTAAT
 GACCGCAAGCAGTGTTCTCTGTTATCGTGAAAGTCAATCCCACTACCCATGAGGGGGACGTGGGCCTTG
 TGATCTTCCCAAGTACCTTTTGTACCCTACCCTTCAAGGCTGAGCACCAGCCCTTTCCCTGCCGG
 AAGTTTGGATTCTGTCCACCAGTTACTCCTGATGTCTCTTTTTCGACAGCTATTGGCCCTTAT
 CTGACCACACAACCTGGTAGCGTTCACCACTTTTCTCCAAATCCATTGGTGTGGCACCTCGAACCGG
 CCGAGACTGCGGCCACTGCCGAGAGGCCCTTCGGGGTTAGCCTCCTTCCAGCTCGCCCCACAGTCCAAA
 AAACACAATCCTCGAGCATAAAGCCCACTTCGCGACCTGGGACGCTCTCGCAAGACACAGTTCTTCTCT
 GCCGAAGCAATTATTACTAACTCCACTCTCCGGATCCACGTGCCATTGTTTGGTTCCGTGTGGCCAATTA
 GGTA CTGGGCAACGGGCAGTGTCTCCTTACGTACAGCTCCGGAAGAGTTGAAGTTAACATCGGCGTAGG
 ATTTATGTCCAGTCTTATCAGTCTGAGCTCAGGTCCCCCATCGAGCTCATCGTGGTGCCCCACACAGTG
 AAAGTGAATGCCGTGACCAGCGATACTACGTGGTTCAGCTGAACCCCCAGGGCCTGATCTGGACCCT
 CTTATCGGGTTTATCTCTTGGGGCGGGACTTGATATGAATTCTCTAACACCGGACTGTGGATATCTG
 CGTTATCCCGAAGAGTCTTGGACTACCGCTATCATCTGTCCATGGCGCACACAGAAGCTCTGAGAATG
 ACAACCAAGCTGATCAACATGATATCAACGAGGAAAGTTATTACCATTGCCGAAGAATCGCCACAT
 CCATCTTCGCTCTGAGTGAGATGGGACGCAACA CTGAGTACTTCTCTCGACGAGATTGGATGTTCA
 GTACCAGCTGAAATTTCTTAACTATATACTCATGCGAATTGGAGCCGGCGCTCACCTAACACAATAAGC
 GGGACATCCGACCTGATCTTCGAGATCCAAGCCAATTGCACGATGAGCTGAGCCTTCTTTTCGGCCAGG
 TTAAGCCCGCAACGTGGATTACTTTATCTCATACGATGAAGCAAGAGATCAGCTGAAAACAGCGTATGC
 CCTTTCTCGGGTCAGGATCACGTGAATGCCCTCAGTCTCGCCCGGAGAGTATTATGTCTATCTATAAG
 GGACTCCTCGTCAAGCAGAACCTTAATGCTACAGAGCGCAAGCACTCTTCTTCGCATCAATGATTCTCC
 TGAAGTTCAGGGAAGGCCTGGAGAACTCAAGCCGCTGCTCGATGGAAGGACAACCTGTGTCTCATGAC
 TTCCATGTGTACCGCCGCTCATGCTACTCAGGCAGCCCTAATATACAGGAAGGCCTGGCTTATCTGAAC
 CCATCCAAACATATGTTCAACATCCCAATGTGTACTCACCTGTATGGGTAGCCTGAGAACAGATCTGA
 CAGAAGAAATCCACGTGATGAACCTGCTGTGAGCCATTCCCACTAGACCGGGCCTGAACGAAGTTCTGCA
 CACCAACTCGATGAATCCGAGATATTCGATGCCGCCTTTAAAACCATGATGATCTTACCACCTGGACC
 GCCAAAGATCTGCACATACTGCATACACAGTTCCTGAAGTGTTCACATGCCAGGATGCTGCCGCACGCA
 ACGGGGAGTACGTACTGATTCTGCCAGCCGTGCAGGGCCATTCTTACGTTATCACCAGGAACAAGCCTCA
 GAGGGGATTGGTCTATTTCTTGGCCGACGTGGACGTGATAACCAATCTCCGTGGTATACCTGAGTAGA
 GACACCTGCGTTTCCGAGCATGGCGTTATAGAAACAGTAGCTCTCCCTCACCCAGACAATCTGAAGGAAT
 GCTTGTACTGTGGTTCCGTATTCCTTAGGTACCTGACCACCGGTGCCATTATGGACATCATTATCATCGA
 TTCCAAGGATACAGAGCGACAGCTCGCAGCAATGGGTA ACTCTACCATCCACCCTTTAATCCAGACATG
 CATGGAGACGACTCTAAGGCCGTGCTGCTGTTTCCGAACGGAACCGTTCGTTACCCTTCTCGGATTCGAAA
 GAAGACAGGCCATCAGGATGTCTGGCCAGTATCTGGGTGCATCACTTGGGGGAGCCTTTCTGGTGTGGT
 GGGATTTGGCATTATTGGTTGGATGCTTTCGGGAACTCTCGGCTGCGGGAGTATAACAAGATACCTCTG
 ACT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC100979 representing NP_040160
Red=Cloning sites Green=Tags

MFALVLAVVILPLWTTANKSYVTPPATRSIGHMSALLREYSDRNMSLKLEAFYPTGFDEELIKSLHWGN
DRKHVFLVIVKVNPTTHEGDVGLVIFPKYLLSPYHFKAHRAPFPAGRFGLSHPVTPDVSFFDSSFAPY
LTTQHLVAFTTFPPNPLVWHLERAETAATAERPFVGSLLPARPTVPKNTILEHKAHFATWDALARHTFFS
AEAIITNSTLRIHVPLFGSVWPIRYWATGSVLLTSDSGRVEVNIQVGFMSLISLSSGPPIELIVVPHTV
KLNAVTSDDTWFQLNPPGPDGPGSYRVYLLGRGLDMNFSKHATVDICAYPEESLDYRYHLSMAHTEALRM
TTKADQHDINEESYYHIAARIATSIFALSEMGRTEYFLLDEIVDVQYQLKFLNYILMRIGAGAHNTIS
GTSDLIFADPSQLHDELSLLFGQVKPANVDYFISYDEARDQLKTAYALSRGQDHVNALSLARRVIMSIYK
GLLVKQNLNATERQALFFASMILLNFRELENSRVLDGRTTLLMTSMCTAAHATQAALNIQEGLAYLN
PSKHMFTIPNVYSPCMGSLRTDLTEEIHVMNLLSAIPTRPGLNEVLHTQLDESEIFDAAFKTMIFTTWT
AKDLHILHTHVPEVFTCQDAAARNGEYVLILPAVQGHSYVITRNKQQRGLVYSLADVVDVYNPISVVYLSR
DTCVSEHGVIEVALPHPDNLKECLYCGSVFLRYLTTGAIMDIIIIIDSKDTERQLAAMGNSTIPFPNDM
HGDDSKAVLLFPNGTVVTLGFERRQAIRMSGQYL GASLGGAF LAVVGFIIIGWMLCGNSRLREYNKIPL
T

TRTRRLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:


ACCN: NC_001348

ORF Size: 2523 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_001348.1](#), [NP_040160](#)

RefSeq ORF: 2523 bp

Locus ID: 1487668

UniProt ID: [P09310](#)

MW: 93.7 kDa