

Product datasheet for **VC100976**

ORF34 (NC_001348) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ORF34 (NC_001348) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF34
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 VC100976 represents NCBI reference of NP_040157 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGACCGCTCGGTACGGATTGCGTAGTATCTCCTTCCCTAATAAGTGC GGAACTTCTTGTCAACTACAA
AGAATTTTATCGCCCCAACTTCCCATACATTACTGGACGGCACCTGCATTGAACTGAGGGGGCGGAT
GAATCCTGACTTGAGAGAAGAATACTCTGACTCTCAAGAATGCTGCCGCTGTTGCAGCCCTGGATAACCTG
AGAGGAGAGACTATCACACTGCCTACTGAGATCGATAGGAGGCTGAAACCTCTGGAGGAACAGTTGACCA
GAATGGCTAAAGTGCTTGACTCTCTGAAAACAGCCGCTGCCGAAGCTGAGGAAGCCGATGCTCAGTCTGA
AGAGTGTACACGCACAGAGATTATCGAAAACGAGAGCATTATCCAGAAGTCCAGATAGCGAAAAACGAT
GCTCCCCTGCAGTATGACACAACTTTCAGGTGGATTTTCATAACGCTTGTATATCTTGGGCGGCCAGGG
GGAACAATAGCCCTGGCATCGTATTCGGCCATGGTACAGAACCCTGCAGGAGCGACTGGTCTGGATAG
ACCCGTGGCCGCCAGGGGAGTCGATTGCAAAGATGGTCCGATCTCCAGGACTTTTATGAATACTACTGTA
ACATGTCTGCAGTCTGCCGGCAGGATGTATGTGGGCGACAGGGCCTACTCAGTTTCAATGTGCAGTGC
TGTGCCTCTATTTGATGTACAGGACCTCAAATAGTGTGCACGAACCCAGGTATCTAGCTTCGGGAATCT
CATCGAACACCTGCCTGAGTATACAGAGACATTCGTCAAATACATGACAACATGAGAACAAAAATTTCA
TACCAGTTCTGTACGATAGGCTGCCTCGCGACCAGTTTACGCGAGGGGAGGACGCTACGACCAGGGGG
CTCTCACAAAGCCATTCCGTGATGGATGCCCTCATCAGGCTGCAGGTGCTGCCTCCTGCACCAGGCCAATT
TAATCCTGGTGTGAACGATATTATCGATAGAAACCACACAGCTTACGTGGACAAAATCCAGCAGGCCGCT
GCCGCATATCTTGAGCGCGCCAGAACGCTTTCTGATGGAAGACCAGACACTGCTGCCCTGACTATCG
ACACTATCACTGCCCTGCTGTTGCTGAGAAGTTGCTGTGGAATGGCAAGTATACGGAGACAAAACGAA
AAATAACTTCCAGCTGGCCTGATTGTGTGAGAAGCCACAGGTACACCCACGAACACGATCCTGAGA
GGCGCAACGGGTTTCGATGGGAAATCAAATCAGGCAACAATAATTTTTCAGTTTCTTTGCGAGCGATATA
TTGCCCTCTGTACACACTGAACCGAACGACTGAGCTGACAGAAATGTTCCCGGCTGTTGGTCTGTG
TCTCGACGCACACACCAGCTCTCAAGGGGAGCCTGGGCGCACTGTAATCGACATCTCATCAGGGCAA
TACCAGGACCGCCTGATCTCACTCATAGCCCTCGAACTGAGCATCGCGGCAGAACGTTACATCCCTGC
CAATCGCCGCTGCTGTGAGCATCCATGATAGTGTGATGCTCCAGTATGAACGCGGCCCTGGGATGCTTAT
GCACCAGCCTCGAGTCAGAGCCGCCCTGGAGGAGAGCAGACGACTGGCCAGTTCAACGTC AACAGCGAT
TATGATCTGCTGACTTTGTCTGCTGGGGTGATCCCTCAATTCGCCTCAACTCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC100976 representing NP_040157

Red=Cloning sites Green=Tags

MTARYGFGSISFPNKCGIFLSTTKNFIAPNFPIHYWTAPAFELRGRMNPDLKNTLTLKNAAVAALDNL
RGETITLPTIDRRLLKPLEEQLTRMAKVLDSLETAEEAEEADAQSEECTRTIIRNESIHPEVQIAKND
APLQYDTNFQVDFITLVYLGRARGNNSPGIVFGPWYRTLQERLVLD RPVAARGVDCCKDGRISRTFMNTTV
TCLQSAGRMVGDRAYSAFECAVLCLYLMYRTSNSVHEPQVSSFGNLI EHLPEYTETTFVNYMTTHENKNS
YQFCYDRLPRDQFHARGGRYDQGALTSHSVMDALIRLQVLPAPGQFNPGVNDIIDRNHTAYVDKIQAA
AAYLERAQNVFLMEDQTLRLTIDTITALLLRLLWNGNVYGDKLKNNFQLGLIVSEATGTPTNVILR
GATGFDGKFKSGNNSNFQLCERYIAPLYTLNRTTELTEMFPLVALCLDAHTQLSRGSLGRTVIDISSGQ
YQDRLISLIALELEHRRQNVTSLPAAVVSIIHDSVMLQYERGLGMLMHQPRVRAALEESRRLAQFNVNSD
YDLLYFVCLGVIPQFASTP

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NC_001348

ORF Size: 1737 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_040157](#)

RefSeq ORF: 1737 bp

Locus ID: 1487687

UniProt ID: [P09310](#)

MW: 65.2 kDa