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Product datasheet for VC100960

ORF19 (NC_001348) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ORF19 (NC_001348) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF19
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 VC100960 represents NCBI reference of NP_040142 with codon optimized for human cell expression
Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGTTTAAACGGATCTTCAACACTGTCCATGACATCATCAACCGCCTGTGCCAGCACGGCTACAAAG
AATACATTATCCCACCAGAGTCAACCACCCCTGTGGAGCTTATGGAGTATATCAGCACTATTGTTAGTAA
GCTGAAAGCTGTCACACGGCAAGACGAAAGAGTGTACAGATGTTGTGGCGAACTGATACATTGTAGGATC
AACCTTAGGTCCGTAAGTATGGAGACTTGGCTGACATCTCCTATACTCTGCCTGACTCCCAGAGTTAGAC
AAGCCATTGAGGGGAGGAGAGATGAAATCCGGCGAGCTATCCTTGAGCCCTTTCTGAAGGATCAGTACCC
AGCTCTGGCAACACTTGGTCTCCAGAGCGCCCTGAAATATGAGGACTTTTATCTGACAAAACTTGAGGAA
GGTAAATTGGAGAGCCTCTGCCAATTTTTCCTGAGATTGGCGGCCACTGTCACTACAGAGATCGTCAATT
TGCCCAAAATCGCCACGTTGATCCCAGGCATCAATGATGGCTACACCTGGACGGATGTCTGCCGCGTGTT
TTTCACCGCCCTGGCTTGTCAGAAAATTGTTCCAGCAACACCTGTGATGATGTTTCTCGGGCGAGAAACC
GGGGCTACTGCCTCATGCTACCTGATGGACCCCGAGTCCATTACCGTCGGACGCGCGGTACGAGCCATAA
CCGGAGATGTCGGCACAGTCCTGCAATCCCGGGGAGGGGTCGGCATCAGCCTGCAGTCTCTGAACCTGAT
CCCCACCGAAAATCAAACAAAGGGCCTTCTGGCAGTGCTGAAGTTGCTTGACTGCATGGTGATGGCGATT
AACTCCGACTGCGAGAGGCCAACCGGGGTTTGCGTGTATATTGAGCCCTGGCATGTTGATCTGCAGACTG
TGCTGGCTACCAGGGGCATGCTCGTCCGAGACGAGATTTTCAGGTGTGATAACATTTTCTGTTGCCTCTG
GACCCCTGACCTTTTCTTCGAACGATACTTGAGCTACCTGAAAGGGGCTAGCAACGTGCAATGGACTCTT
TTTGATAATCGGGCAGATATTCTCAGGACTTTGCACGGCGAGGCATTTACTAGCACTTACCTGCGACTGG
AAAGAGAGGGCCTTGGGGTCTCTTCCGTCCCAATACAGGATATCGCTTTTACCATTATTAGGAGCGCCGC
TGTGACCGGCTCCCCTTTTCTTATGTTTAAGGATGCCTGCAATCGGAATTATCACATGAACACACAGGGC
AATGCCATCACAGGGTCAAATCTCTGCACTGAGATTGTGCAGAAGGCAGATGCGCACCAGCACGGCGTCT
GCAACCTCGCAAGTATCAATCTTACTACATGCCTGAGCAAGGGACCAGTATCTTTCAACCTTAATGACCT
GCAGTTGACCGCACGCACCACAGTGATCTTCCTCAATGGGGTGCTTGCTGCCGGAAATTTCCCATGTAAG
AAGAGCTGTAAGGGGGTGAAAAATAACAGGTCACTGGGTATCGGTATCCAGGGACTCCATACCACCTGCC
TGCGGCTGGGATTCGATCTCACCTCCCAACCAGCACGCAGACTGAATGTTCAAATCGCCGAACTCATGCT
GTACGAAACCATGAAAACAAGCATGGAAATGTGCAAAATTGGAGGGCTCGCCCCATTCAAAGGTTTCACC
GAGTCTAAATACGCAAAAGGATGGCTCCATCAGGACGGGTTCTCAACGATCTCTTACCTGGATTTGCCCT
GGTGTACCTTGCGCGATGATATTTGTGCCTATGGCCTCTATAACAGTCAGTTCCTGGCACTGATGCCGAC
AGTGAGCTCCGCTCAGGTCACCGAGTGTAGCGAAGGATTCAGCCCCATTTATAATAATATGTTTTCCAAG
GTTACAACATCTGGCGAACTGCTCAGGCCCAATCTCGACCTTATGGATGAGTTGCGGGATATGTATAGCT
GCGAAGAAAAACGCCTGGAAGTCATTAATATTCTGGAGAAAAACCAGTGGTCCGTGATAAGAAGTTTCGG
TTGTTTGAGTAATTCTCACCCCCTGCTCAAATATAAAACGGCCTTTGAGTACGAACAGGAGGATCTCGTC
GATATGTGTGCCGAACGGGCTCCTTTTATCGATCAATCACAGAGCATGACTCTTTTCATTGAAGAGCGAC
CCGATGGGACGATTCCAGCCTCTAAGATCATGAATCTGCTGATCCGCGCCTATAAGGCTGGCCTTAAGAC
CGGTATGTACTACTGTAAAATCAGAAAGGCCACCAATAGTGGCCTGTTTGCCGGCGGAGAGCTGACATGC
ACCTCATGTGCTTTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

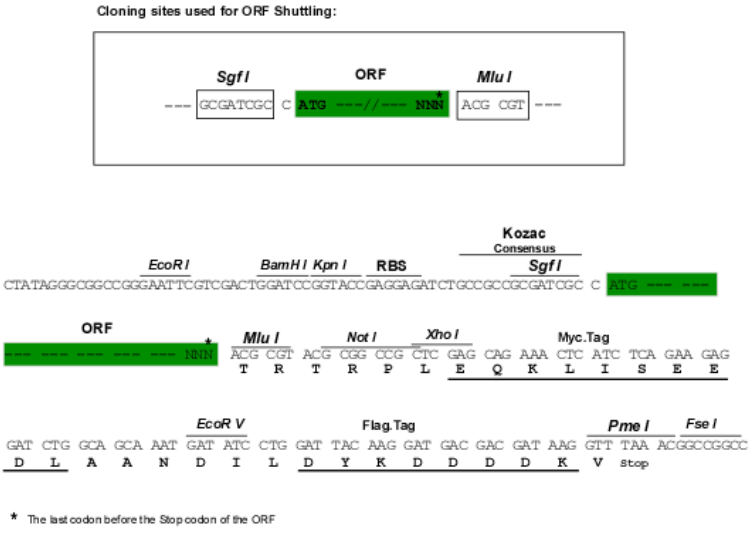
>VC100960 representing NP_040142
Red=Cloning sites Green=Tags

MEFKRIFNTVHDIINRLCQHGYKEYIIPPESTTPVELMEYISTIVSKLKAVTRQDERVYRCCGELIHCRI
NLRSVSMETWLTSPILCLTPRVRQAIEGRRDEIRRAILEPFLKDQYPALATLGLQSALKYEDFYLTKLEE
GKLESLCQFFLRLAATVTTEIVNLPKIATLIPGINDGYTWTDVCRVFFTALACQKIVPATPVMMFLGRET
GATASCYLMDPESITVGRAVRAITGDVGTVLQSRGGVGISLQSLNLIPTENQTKGLLAVLKLLDCMVMAI
NSDCERPTGVCVYIEPWHVDLQTVLATRGMLVRDEIFRCDNIFCCLWTPDLFFERYLSYLKGASNVQWTL
FDNRADILRTLHGEAFTSTYLRLEREGLGVSSVPIQDIAFTIIRSAAVTGSPFLMFKDACNRNYHMNTQG
NAITGSNLCTEIVQKADAHQHGVCNLASINLTTCLSKGPVSFNLNDLQLTARTTVIFLNGVLAAGNFPCK
KSCKGVKNNRSLGIGIQGLHTTCLRLGFDLTSQPARRLNVQIAELMLYETMKTSMEMCKIGGLAPFKGFT
ESKYAKGWLHQDGFSTISYLDLPWCTLRDDICAYGLYNSQFLALMPTVSSAQVTECSEGFSPIYNNMFSK
VTTSGELLRPNLDLMDELRDMYSCEEKRLEVINILEKNQWSVIRSFGCLSNSHPLLKYKTAFEYEQEDLV
DMCAERAPFIDQSQSMTLFIEERPDGTIPASKIMNLLIRAYKAGLKTGMYYCKIRKATNSGLFAGGELTC
TSCAL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001348

ORF Size: 2325 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).

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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_040142
RefSeq ORF:	2325 bp
Locus ID:	1487716
UniProt ID:	P09310
MW:	86.8 kDa

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