

Product datasheet for **VC101071**

hypothetical protein (NC_009334) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	hypothetical protein (NC_009334) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	hypothetical protein
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 VC101071 represents NCBI reference of YP_001129494 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGACTCAGGGCAAACGCGAGATGGGTGGCGGTCTGGAAGGCTTTTCTTCTCAGCTGGGGCTGTTTTACG
CACTGGCTTGTAACAGATCACCTCCTGCACTGCCTGAAGACGCAACATTGCTGATTAAGTGGCTGGATAC
CGCTCTGGGTGCGGAGGCCACTTTTTACGCATGCCGGGCTATGAGGCGGCTTCTGCTCGGCGTGATTAGG
ATCAACGACTGCCAGGAGCTCCCTCCTGGCCTGATAATCCTGTCTCCGGGCACAGTCCCCGGTCTCTCG
GCGTCCAGTCCCTCGAGCATACCGATTGTGAAATCTGGTCTCCGCTCATCCAGACCATGCTGCCACCT
GCCTGTGCCAGGTAATCACTTATACAGACTGTCCCGGCTCTATCAGCACTTCCAGCATGTTCCGACTG
ATAATTCGCTACCTGTCACACCACCAATTCGAAAGATGCTTCGAGCAGTTTTGCAGAGTCTTTCCCGCC
GCTTCTGGGCAGTGCAAAACAAACTCTGCAAGATGCTTGCTCACTTCAAACAGGTTACCAGAATCCC
ACCTGTCCCCCTTTAGCGGTAGGGAGGCGAGGTTGAAATTCACCTTCTCAGTTGGTCTACTTTTATG
CTCTTTGGCAAACAATGCGACGCTCAGGAAATACGCACAAGGGCTGCCACGAACCTGACACACCACC
CCCACCTGGTGGATACTCTGTACCACGCATCTCCCAAACCCCTTTCTCACTCGCAGCGGAGCTGTGA
TAGGTTCTGTGACATGTTGCAATTGCACCCTGCCTAATATTAGCATCCAGCAGTGCAAAGCAGGTGATAGA
CCTGGCGACTTGAGATAATCCTGCAGAGCAATGGGGGAGGTCGGCCAGCTTCTTCCAGTTCCCATCCT
CACCCACAGGAGCCCTTCTGCGGTGCATCGTGGCTGCCGCCCTGCTGCCCGAGGTTCTAGTGGGCCACCA
AGAGCTTTCACCTCTCATGTCCGATCCACGGCGGACAAACCGACGTCGCGAGCGGACCAGACCCCTGCC
CGGCGCTTGTGCTTTGCTCCGAGAGAAGACGGAGCTCCCAAGGATCTCTTTGGGACCTTCCGGGC
ACCCACAGGAGACCAGCCCCGCAAAGAGTGAAGATGAAGAATCAGAGCGCCGGGACGCGCCACCGCCCC
TCTGGACTTCAGCTTTCAGGCTTACGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT
ACAAACAGAGTAATCAACACAAAACCTGTCTGTAGTGAGCCACTCGTGAATGCGGGTGTGCAACGTCC
CCCGATTGATCAACAACCTTGTGCGCAAGGAAATACGTAGTGAAGGAAACAGCGTTTACAGTTTCTCTCT
TTTTACCGACGGAGTGGGCGCAACCTGGCCATTAATGTGAATATATCCGGCACATACTTGTCTTTCTC
CTGGCGATGACTAGCCTCCGGTGTCTTTTGGCAGTCGAGGCCATCTACCCCGAGCTGTTAGCAATTGGA
ACTCCACACTCGATCTGCACGGTCTGAAAACAGTCTTTGGTTCGCGAAAACAGGAGCGGCGTCTTTTG
GACGACTAACTTCTCAGTCGTGTCTTGTGAGGACGGGCTGAACGTTTCATGTTCAAAGCCGCCACT
GCTACGATTTCAAGGGTCCACGGCCGAACCTCTCGAGCAACATCTTATACGCGAAATCACCCCATCGTCA
CTCACCGAGAGGCAAGATATCCCGCATCAAGAACCGGCTCTTACGTTGCTTGAAGTGAAGAACCGGATC
ACAGATCCAGGTTCTCCATAAGCGCTTCTTGGAGGACTGCTGGACTGCGCCTCTCTTCTGCGGCTGGAC
CCTTATGATCAATAGAATCGCTCCGAGGGCCTGTTGACTTCAGCAAGAGGTCATCGCCACTCTA
AGAATCGCCACGAGTGCCTCTCTGGTGCATCGGCATTCAGCTAATGTTACCAAGCTCGTTGTGAACGA
AAGGAAAACCGGCTTGATTTCTGGGACGAAACGCTAACTTTCTGACACGATGCAAACACCAGGTGAAT
CTCAGACAGTACCTATCTTCTTACCCTTCTCCGCCATATCCGCCCGCGGCTTGGGCTGGGCGGGGCCA
GCGTGAAGCGGGAAATCACTCTGCTGCTGGCTCACCTCCGGAAGAAAACGGCCCAATCACTGTAGAGA
TGCTCAGGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC101071 representing YP_001129494
Red=Cloning sites Green=Tags

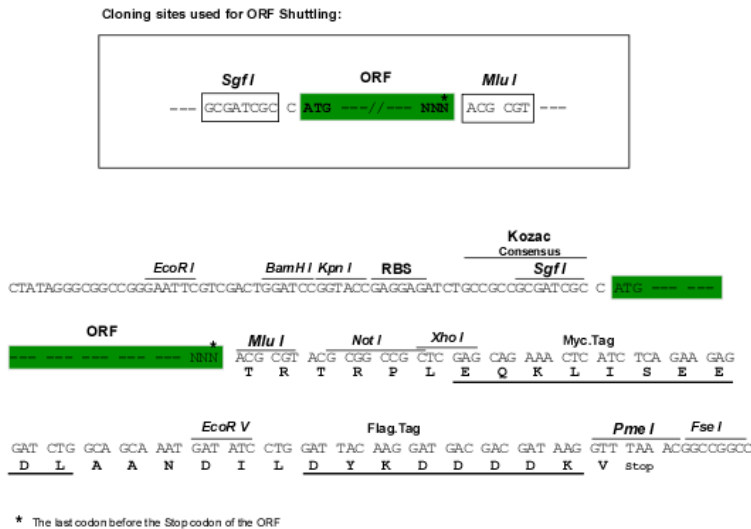
MTQGKREMGGLLEGFSSQLGLFYALACNRSPALPEDATLLIKWLDALGREATFYACRAMRRLLLGVIR
 INDCQELPPGLIILSPGTVPGLGVQSLLEHTDCEIWSSAHPDHAHLVPRVITYTDCPGSISTSSMFRL
 IIRYLSSHQFERCFEQFCRVVPRRFLGTCKQNSAKMLAHLKQVTRIPPCPPFSGREARLKFHFFSWSTFM
 LSWPNATLREIRTRAATNLTHHPHLVDTLYHASPTPFLTRSGALYRFVTCNCNCTLPNISIQQCKAGDR
 PGDLEIILQSNNGGRPASFQFPSSPTGALLRCIVAAALLPEVSVGHQELSPLMRSRHGGQTDVRSQDPDA
 RRLVALLRREDGAPKDPPLGPFHGPRGPAKSEDEESERRDAPPPPLDFSFQASRLVPVGPGRLLVFN
 TNRVINTKLVCSEPLVKMRVCNVPRLINNFVARKYVVKETAFTVSLFFTDGVGANLAINVISGYLSFL
 LAMTSLRCFLPVEAIYPAAVSNWNSTLDLHGLNQSLVRENRSQVWTTNFPVSVSCQDGLNVSWFKAAT
 ATISRVHGRTLEQHLIREITPIVTHREAKISRIKNRFLTLELRNRSIQVLEHQRFLLEGLLDCASLLRLD
 PSCINRIASEGLFDFSKRSIAHSKNRHECALLGHRHSANVTKL VNERKTRLDILGRNANFLTRCKHQVN
 LRQSPIFLTLLRHIRRRRLGLGRASVKREITLLLAHLRKKTAPIHCRDAQV

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NC_009334

ORF Size: 2250 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_009334.1](#), [YP_001129494](#)

RefSeq ORF: 2250 bp

Locus ID: 5176153

MW: 83.8 kDa