

Product datasheet for **VC102314**

NC_003494 Virus Tagged ORF Clone

Product data:

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|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | NC_003494 Virus Tagged ORF Clone |
| Tag: | Myc-DDK |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >The Viral ORF clone VC102314 represents NCBI reference of NP_612246 with codon optimized for human cell expression Red =Cloning site Blue =ORF Green =Tags(s) |

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGATAAATACGTATTGCGGCCTAGTGACCCTCATTTGTGGCGATGTACAAGAAGGCCGTCGCATCCT
TTTGGACAGTGAAGAGGTGATCTGTCAACAGATGTCCGCCATTGGACTGAGAACTCACAGAAGCCGA
GAGACGCTTTATGTCCCATATCCTGGCTTTCTTCGCAATGGCCGACGGCATTGTGGGAGACAACCTCGT
TGCAATTCGCCAAAGAGCTCGATTACATCCCCGAAGCTAGGGCATTATGGATTTAGGTGGCGATGG
AGAACATACACGCTGAGATGTATACACAGCTGATTATAACGTTGGTGGCCAAGGAAAACAGGCCGCTCT
GTTTCAGTGTCCGAGGATATGCCCTGCGTTAAAGCAAAGGCTCAGTGGGCGAGCTCAATGGCTCAACGCC
ACACACAAAAGCATCGCAACCAGACTCCTTGCCTTCGACGCCGTTGAGGGCGTGTGTTTTAGGGAGTT
TCGCCGCCATTTCTGGCTGAAGAAAAGGTCTCTCATGCCAGGCCTTGCCTTTTCAAATGAGCTGATAAG
CAGAGATGAAGGGCTGCATTGTGATTTGCGATGCATGCTTTAGACAGATGGCCAACAAACCATGCCAG
GATGACGCACACCAGATCATCAGCGATGCTGTTGACATAGAAACCGCCTTTTTTCAGGAGGCTCTCAAGA
CACCCTGCTGGGCATGAATTCGATTCTATGCGGCTGTATATCCAATTCGTGGCTGACAGACTTCTGGA
TGCTCTGGGGTATGCTAAAATGTATAATGTGGCTAACCCTTCGACTTCATGGACAATATAAGCATAGAG
GGAAAAACGAATTTCTTTGAAAGAAGGGTCAGTGAATACCAGCGCATGGGTGTGTTTACCCCGTCCAGCA
TGGAGTTCATATGACCGAGGATTTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC102314 representing NP_612246
 Red=Cloning sites Green=Tags

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MDKYVLRPSDPHLWAMYKKAASFVTVVEEVDLSTDVVRHWTEKLTEAERRFMSHILAFFAMADGIVGDNLV
CNFAKELDYIPEARAFYGFQVAMENIHAEMYTQLIITLVAKENQAALFSAEDMPCVKAQAQWAAQWLNA
THKSIATRLLAFAAVEGVMFSGSFAAIFWLKRRSLMPGLAFSNELISRDEGLHCDFAACMLFRQMANKPCQ
DDAHQIISDAVDIETAFFQEALKTPLLGMNSDSMRLYIQFVADRLLDALGYAKMYNVANPFDFMDNISIE
GKTNFFERRVSEYQRMGVFTPSSMEFTMTEDF
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TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_003494

ORF Size: 936 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_003494.1, NP_612246
RefSeq ORF: 936 bp
Locus ID: 935328
MW: 35.6 kDa