

Product datasheet for **VC102364**

ORF074R (NC_003494) Virus Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | ORF074R (NC_003494) Virus Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | ORF074R |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >The Viral ORF clone VC102364 represents NCBI reference of NP_612296 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s) |

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGAGTAGCCTCCTTCTGCTGCTCTTGCTGCCAGCACTCGCGCATTGAGACCACGCCACCCAGATG
CAGATAGCTGTCAATTCGCCATCTGATGATGCGGCGAGGAGTCTCACGCCGGATGCTGGCCGAGAGAAT
GTACACGATTCTCCATACTTGTCCCAATGATAGGGACGAGGTTACTAAGGTTGCCTGCGACGTGATTGAT
GGGGGGTTTTTTCACAAGGCACTCACTAATATGGGAGTGGACATGGCCGCTGAATGCCTGAACCTCCGAA
CACGGTATTGCCACACATCACCAGTGCTCAGCAACTCTGTATTACCCCAAGGCATGGCCTCTGCTGT
ATTTGGCTTGGCCTCTCACTGTCCTGCGGAACACTACGCTTATGTATTACATGTGTGCTCCAGAAGG
CACGAACACAGAGTGGCGATGATGACGATGTTTCCTTATGGGCGGAATATTATTACCGCGATGTGCACAA
ACTATCGCGACCTCTTCAGGGCTCAGCATACCCAAAGCGCAGCGGCAGCTTGTACAGTGCGGGCACGGCG
CCCAGAGGAGATCGTGCAACCTCCAACCATGTTATATGGATATGTGTGAGCCCAGCAGCCACTTTC
GCGTATGAAGCTTGCAACACAGCGAATGATACCGAGGCCATATGTACGTGCGCGATAGACTCGTGGCTA
CCATCGCCCCGGATTCTTGGCTCGGCATTAGGAACCTGCTCAGTCCCGCCAAATGTCCCTTTACCGA
CTGGCGCCGGGAGCACTTACCACATCGATAAAGTGATCTACAACGGGTTAAGTGCTTTACAGTTTAC
GATCATAATACCTGAAACGCTTCGGCCAGATTAAAGGAGGAAATCTCTCAGATGTGCATGTTCCGGCT
CTAACGGCACGTACGCCAACTCAATTTAAGCACTCCAGTTCAGACCTCACTCCGTGTCAGGCTCCGGT
CTCCATCAGTCAGTGTCGGACATTTACGGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC102364 representing NP_612296
Red=Cloning sites Green=Tags

MMSLLLLLLLLPALAHSGRHPDADSCQFRHLMRRGVSRRMLAERMYTILHTCPNDRDEVTKVACDVID
 GGFFHKALTNMGVDMAAECLNFRTRYCHTSPVLSNTLYSPQGMASAVFGLASHCPAELTTLMYMCAPER
 HEHRVAMMTMFPYGRNIIITAMCTNYRDLFRAQHTQSAAAACTVRARRPEEIAATSKPCYMDMCEPDDATF
 AYEACNTANDTEAYMYVGDRLVATIAPDSCVGIQEPAQCRPNVPFTDWRREHFTDIDKVIYNGFKCFTVY
 DHNTLKRFGQINRQEISQCMFGSNGTYAKLNFKHSSSDLTPCQAPVVISQCPDIYG

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_003494

ORF Size: 1011 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_612296
RefSeq ORF: 1011 bp
Locus ID: 935368
MW: 38.0 kDa