

## Product datasheet for **VC101544**

### DR1 (NC\_001716) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DR1 (NC_001716) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DR1
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 VC101544 represents NCBI reference of YP\_073744 with codon optimized for human cell expression  
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGACAGCCGCTACAACCGAGCATTTCGTTTGGCAGCTGCACTCAACCGCTACTGGTGGCTTCTTTGG  
 GACGGCATAAACTTAGCCTCGTCTGCAACTACGTCACACCGGCAGCAGCTGCTGCCACTCCCTTG  
 GCCCGAACAGGAATTTCTGCAGCTGGACCCAGCACCCCTACAGCAATCTTCGGAATAGAGTGGCCACCAC  
 CTGCATCGGGGTGGCCTGCTGCCACAATACCTGTTTTGACCAAGACCCTACTTTCCGAACGCAAAAAG  
 TGAAGCTGCTGCCTCTCGGTTCCATAACTTTGACAAGATCCTTTTCTCAGACGAACCTCATCCCATCGG  
 GGACGATGTGCATCATTCCACGATCGGGGGACTATCACACGGTGATATGCTCTGGCTGACAGGAACA  
 AGTCCAATCTTGGTACTCTGCAGGGACCAGATGGGTCTATTTATTGCCATGATGTATACAGGGGAAGAC  
 TGTACCTGGTAGCACATAGTGTACGCTGTTCCGACACTTGGGTTGAGACACTGTGAACCCCTGTACGC  
 CGCCCTCGTGGAAAGCATGTACCCCTTCTTCCATGTGGGTAGCCTCTCCACCGCCAGCGCCACTTTG  
 ACCCAAACACTTGCAGTGAGTGCGACCCACGGTCTGGACGCACTGTATAGTCTGCTTAAGATACCCGGG  
 GGACTCCCTGCTCACTGATACACCCCGTCAACGGATACGTAAGTGGACATGATACTGACTGGCAGGTCATT  
 TCAGGAGGCCCTTGTGAGAACACACGGACGAGCGTTAAGACCACACCACAGTATGGACGCTGTGTGT  
 GGGGGCGAGGAGTGGCTTTCCATCGGATACCTGGTCAAGATGCCCCACATTCACCTGGCCGTCACCA  
 GGACGTGTCTGGTTACAGCAATCGATGTGAGGCAGAACTTTTGTGGCGAGTCGCCGACGATGCACTGCT  
 CTTTCTGGTGACCGGAGCCTTCTTGTGCTGAGTAGACCCACAGCAGATCTGACCAGCTGGTCTGTCTT  
 CAGCAGGAACAGTTTGGCGCAATTGCCTCGACACTCGGGGGAGCAAGATGAGACCCGAGGATCAGGAGA  
 TGAACAGTCTACAAGTAAGAAGCAAAACGAGAATAAGAAGCTCAACACTTCTAAAAAGCATACACGAGT  
 GTCATCTGCCATACCCACCTTCCCTGTCTCTCCGGAAACTCCACCAGAAGCCAGATCCCCCGAGTC  
 CTGGCTGCAGCCACCCAGAGTCATAAACTCGGGCCATAAGCACCCACAATGCTACTACCACTATCAGGA  
 TACCCAGATTGCCATCATACCTGCTGGAGGCTCGATTGCTGTGACGCTATTCTGAAGGACACCAA  
 GAAAAAGAAAACGCAACCCAGGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC101544 representing YP\_073744  
 Red=Cloning sites Green=Tags

MTAATTEHFALRAALNRYWLLLLGRHKLSLVCNYVTAHRQQLPLPWPEQEFLQLDPAPYSNLRNRVAHH  
 LHRGWPAAHNTCFDPRPYFPNAKVKLLPLGSITLTRSFSSDEPHPIGDDVHSHDRGDYHTVICSWLTGT  
 SPILVLLQGPDSIYCHDVYRGRLYLVAHSVSLFARLGLRHCEPLYAAPRWKHVPLPSMWWASPPASATL  
 TQTLAVSATHGLDALYLLKIHRGTPCSLIHPVNGYVLDMILTGRSFQEAPCQNRTRSVKTPHVMDAVC  
 GGRGSWLSIGYLVKMPHIHLAVTRTCLVTAIDVRQNFLWRVADDALLFLVTGSLLLL SRPTADLTSWSCL  
 QQEPVWRNCLDTRGEQDETEDQEMKQSTS SKKQENKLNKNTSKKHTRVSSAIPTFPLSLRETPPEARSPAV  
 LAAATQSHKTRAISTHNATTTIRIPRLPSYLLLEARLLSVTAILKDTKTKKKTQPQA

**TR**TRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NC\_001716

**ORF Size:** 1425 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\\_001716.2](#), [YP\\_073744](#)
**RefSeq ORF:** 1425 bp

**Locus ID:** 3289462

**MW:** 53.2 kDa