

## Product datasheet for **VC101352**

### DR1 (NC\_001664) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DR1 (NC_001664) 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 VC101352 represents NCBI reference of NP\_042883 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGCCCTGACCGTCCGGCGGGGCATGCCCTTACAGACTGCCCTTGAGTAACTATTGGTGGTTGCTGC  
TGGGACGCCACTCCCTTCGCCACGTCCACTCTTATCTTAGGCTCCATAAGGGCTTGAGAATACCGCTCCC  
TTGGCCAGAGCAGGAGTGCCTGCACCTCCACCCAAAACCTACAAGTGTCTGCTTCGGTACCCTTGATT  
ACACGCCAACCGCATTGCTGCAGGGCTGGCCACCAAGAGCTCACTCTGGTTTGATCCAAAACCTATC  
ATCCAAGTCCGACTCAAACTGCTCCACTGGGTCTTAACTGTCCGCTTGACGTACAAGAGTTAG  
TGCCACCACAAGATGGTCTCTTTCATGCAACTGATCCCTCACTGAGTTGGCTGACCGGCTCCAGCCCC  
TGGCTGGTCATCTCCAGGGTCAGGGCGGCTCTCTGTTTTGCCACGACGACTGCAAGGTCGCTTGATA  
TCTTGCCATTCTGTGAGTCTGTTCTCAAGACAGGCCTCCGGCATTGTGAAGCCATTTACCGGGCTCC  
CCTCTGGCGGGACAGACCACTTCGAGCCTGTGGACCTGCAGGGACCCTGATAAGGCCTTTCTGCCACT  
TTGCTTGCTAGGAGCGCGCGCGGCCTGGCGGCTTTCTACGCCCTCTGGAGACTGCACCTGGGGTCCAC  
GCTCCGAGCTGTCTATCCTGTGCTTGAATGGGAGTCCACCGAAGTGGTCTCACCGACTGGCGCCGAGG  
TCGCAACGAGGCACAGAGGGACGCTCCCTCTGTGGCTGAGCACTTTCACGCTGTGACCACTGTGGAT  
GAATTTGCGGTGAAGGCGGCTGGCTGCCCTTTGCATTTCTCTACCAGTCCCCATGTCTGGCTGATCC  
TTACAGAAGGCGGACCTGTCTGGCCGTCGACGTGAATGATACCAGTGTATGGCGGATTGCAGACGATCT  
TGAGTCTGTTGACGACTCGGAAGCCTGCTTCTGCTGTCCGACTCCGACTGCCCTCCGACCACCGTCC  
GGCTCTGGTGAAGCAGCCGGCGAACCAAGTTATGAAGAGGAAGAAAGGCGGGTCCGGCCAGTACTGCCT  
CCGCAACTGCAGCCACGAGTACACGGGTCCGACGAGGCCACAAAGGGTGACCAGAAAGGGCGGGTGGC  
GACTGGAGGGGTACATCTGAGTGTCTGACCCAGAGAGTGAGGAGCAGACCGATGGCCATCACGGCCGACAA  
GAATCAAGCGACGATCACCAACGAGGTGGGAGTGGCCGGGGCCATAGGGATGATGGAGCTCATAGGCATG  
CCAACGATAAGACTGAGCCCCAGCAGCGAGGCGAGCAGAGGAGCGCAAGCAGACCGATTCTGGCAGACA  
CGAACACGCCAGGAATCTCAGGTCGCCAGAAGGGATGAGGAAGAAACCGAGCAAGGTGATTCCGAAAGA  
TCCTGCGGCGGTGCCACCCAAACATACGGCGGCAGAGGAAGACACGATAGCTGCCCTTCAATACCCCTGT  
CCGTGCCCTGGACCGACCCCGCTTGTGGTCCCTCCCCCATCTCTGTTTCCCTCCCATTGCCTCC  
AATGACACCCGTAGATGATGAGCCAGTGTCCGGCCGAGATGCCCCCGGACCAGCCGAAGAGCCCCC  
ACCTGTAGACCTAGACCGCCCCGCTTCTTCTGACACCCTCTGTGACCGGTTAGTAGACCAAGTGCTC  
CGCCTGTGCCACCACCTCCACAGCCAGAGTCAGGTTTTTCTCAGTAGCTCAAGTTCTAGCCCAAGTTA  
TAGTCCCGCTCCACTGTCTCCCCCAGCCCTGTGTACCCTCCAGCCACGGTCCCCTTTTATTCCACCC  
ATTAGATCCCCGGCCTGCGGGCCAAACCCAGAGTGAAGTCTGGCCATCCAGCTGCTTTTCTCTGCC  
CCTCCAGCGCCCCAGCTCGCAGTGAACGAGTAACCTCTGTCCCCAGCAGCGCTTCTCCTCCGCATCCTG  
TGTGGGAAGAGTCAGCCACCGGCCGCCACCCGCT

**ACGCGT**ACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >VC101352 representing NP\_042883  
Red=Cloning sites Green=Tags

MPLTVRAGHAPYRLPLSNYWLLLGRHSLRHVHSYLRLHKGLRIPLPWPEQECLHLHPKPYKCLLRYP  
 TRQPHLLQGWPTKSSLFDFPKPYHPSADSKLLPLGLITLSACSTRVSATTRWSSFHATDPSLSWLTGSSP  
 WLVIILQGGGSLFCHDVLQGRLYILSHSVSLFLKTGLRHCEAIYRAPLWRDRPLSLWTCRDPDKAFLPT  
 LLARSARRGLAAFYALWRLHLGSRSEL SHPVLEWESTELVLTDWRRGRNEAQRDAPSVAEHFARCRPLLD  
 ELCGEGGWLPFAFLSTSPHVLILTEGGPVLAVDVNDTSVWRIADDELLRRLGSLLLL SGLRLPLRPPS  
 GSGEAAGEPGYEEEEERRGRASTASATAATSTRGPTRPTRVTRKGRVATGGVHLSARPESEEQTDGHHGRQ  
 ESSDDHQGGSGRGRHDDGAHRHANDKTEPQQRGEHEERKQTDSDGRHEHAQESQVARRDEEETEQQDSE  
 RSCGGATQTYGGRGRHDS CP SIPLSVGPD PRLWVPPHLLFPSP LPPMTPVDDEPSVRPRCPGPAE EPP  
 TCRPRPPRPSDTPLSAVSRPSAPPVPPPSTARVRFLLSSSSSSPSYSPAPLSPSPVSPSSPRSPFIPP  
 IRSPGLRAKPRVSSGHPAAFPAPSSAPARSERVTSPSSASPSASCVGKSQPPAAHTA

TRRRLEQKLISEEDLANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_001664

**ORF Size:** 2067 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\\_001664.2](#), [NP\\_042883](#)

**RefSeq ORF:** 2067 bp

**Locus ID:** 1487896

**MW:** 75.6 kDa