

Product datasheet for **VC101438**

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 VC101438 represents NCBI reference of NP_042995 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCCTGACTGTCAGGGCCGGCAGCTCCCTACAGGCTGCCCTCAGCAATTACTGGTGGCTGTTGC
TTGGAAGGCACTCTCTCAGACATGTCCACAGCTATCTGAGACTGCATAAAGCCCTGAGAATCCCACTGCC
ATGGCCCGAACAGGAATGCCTTCATCTGCACCCTAAACCCTATAAATGCCTTCTCAGATATCCTTGATT
ACCAGACAGCCTCACCTTCTGCAGGGTGGCCACCAAATCTAGCCTGTGGTTTGATCCCAAGCCCTATC
ACCCGAGCGCGATTCAAAGCTGCTCCCTCTCGGACTCATAACTCTGTCTGCATGCAGCACTCGCGTGC
AGCCACCACAGGTGGTCTTCCATGCCACAGATCCCTCCCTGTATGGCTTACCGGAAGCAGCCCA
TGGCTGGTCACTCCAAGGCCAGGGCGGAAGTCTGTTCTGTACGACGTGCTCAAGGCCGACTCTATA
TCCTGTCTCACAGCGTCACTGTTCTCAAGACAGGACTGAGACACTGCGAGGCTATCTACAGAGCTCC
TTTGTGGCGCGACCGCCCTTCTCTTCACTGTGGACTGCGCGACCCCGATAAAGCTTTCTCCCAACA
CTTCTCGCCAGGAGTGTCTCGCCGGGCCTCGCCGCTTCTACGCCTTGTGGAGATTGCATCTTGGTCCC
GATCTGAGTTGAGCCATCCCGTGTGGAATGGGAATCAACTGAACTCGTTCTGACCGACTGGAGGCGGGG
TAGGAACGAAGCCAGCGAGATGCTCCAGCGTGGCAGAACACTTCGCACGCTGTGCGCCACTGCTCGAC
GAGCTTTGTGGCAGGGAGGCTGGCTCCATTCTGTTTTTGTAGCACAAGCCCCACGTGTGGCTGATTC
TGACTGAGGGGGGCTGTTCTCGCCGTGACGTCAATGATACCTCAGTCTGGAGAATAGCTGATGATT
GGAGTTGCTGCGCCGCTTGGGTCTCTGCTTCTGCTGAGCGGTTGCGGCTTCCCTGAGCCACCTTCT
GGGAGCGGTGAAGCTGCCGGGAACCTGGTTATGAGGAAGAGAAAGGAGGGGCCGCGCATCAACGGCAA
GTGCGACAGCCGCTACCTCTACGCGGGACCCACACGGCCACAAGAGTGACTCGAAAAGGTCGGGTGGC
AACAGGTGGCGTGACCTTTCCGCTAGACCCGAGTCCGAGGAACAGACAGACGGACACCATGGCAGGCAA
GAGTCCAGCGACGACCATCAAAGGGTGGGAGTGGAAAGGGGCACAGGGACGACGGTGTCTATAGGCACG
CTAACGACAAAACAGAACCTCAGCAGCGAGGAGAACACGAAGAAAGGAAGCAGACTGATAGTGGACGGCA
TGAGCATGCACAGGAAAGCCAGGTGGCTAGACGCGACGAAGAAGAAACCGAGCAAGGCGATTCTGAGAGA
AGCTGTGGAGGCGCTACTCAGACGTACGGAGGTGCGGGACGGCATGATAGTTGTCCATCCATTCCGTTGA
GCGTCCCCGGCCCTGACCCAGGTTGTGGTCCC GCCCCACATTTGCTCTTTCCATCTCCTCTGCCCC
GATGACACCCGTGGACGATGAACCTTCTGTGCGACCAGATGTCCGCCCGCCCGCTGAAGAACCCCCA
ACATGCAGGCCTAGACCCCCCGCCATCTTCTGATACCCGCTGTACGCCGTGTAGGCCAGCGCAC
CCCCCGTCCCTCCTCAAGCACTGCCAGAGTGAGATTCTTTCTGTCTAGCTCTTCTTCTCCCCAGCTA
CAGCCCAGCCCCACTGTCCCCCCCAGTCTGTCTCCCTCTAGCCCGAGATCTCCCTTATTCCCCC
ATTCGAAGCCCCGGCCTGAGGGCCAAGCCAGGGTTAGCAGTGGTATCCGGCAGCTTTTCCCCAGCAC
CTAGTAGCGCTCCCGCAGGTCAAGACGGGTACAAGCGTCCCGAGCTCCGCTCCCCGTCTGCTTCTG
TGTCGGGAAGAGTCAGCCACCCGCTGCACACACGGCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC101438 representing NP_042995
Red=Cloning sites Green=Tags

MPLTVRAGHAPYRLPLSNYWLLLGRHSLRHVHSYLRLHKGLRIPLPWPEQECLHLHPKPYKCLLRYP
 TRQPHLLQGWPTKSSWFDPKPYHPSADSKLLPLGLITLSACSTRVSATTRWSSFHATDPSLSWLTGSSP
 WLVI LQGGGSLFCHDVLQGRLYILSHSVSLFLKTGLRHCEAIYRAPLWRDRPLSLWTCRDPDKAFLPT
 LLARSARRGLAAFYALWRLHLGSRSEL SHPVLEWESTELVLTDWRRGRNEAQRDAPVAEHFARCRPLLD
 ELCGEGGWLPFAFLSTSPHVWLI LTEGGPVLAVDVNDTSVWRIADDELLRRLGSLLLL SGLRLPLRPPS
 GSGEAAGEPGYEEEEERRGRASTASATAATSTRGPTRPTRVTRKGRVATGGVHLSARPESEEQTDGHHGRQ
 ESSDDHQGGSGRGRHDDGAHRHANDKTEPQQRGEHEERKQTDSDGRHEHAQESQVARRDEEETEQQDSE
 RSCGGATQTYGGRGRHDS CP SIPLSVPGDPRLWVPPHLLFPSP LPPMTPVDDEPSVRPRCPGPAE EPP
 TCRPRPPRPSDTPLSAVSRPSAPPVPPSTARVRFLLSSSSSSPSYSPAPLSPSPVSPSSPRSPFIPP
 IRSPGLRAKPRVSSGHPAAFPAPSSAPARSERVTSVPSSASPSASCVGKSQPPAAHTA

TRRRLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-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_042995](#)

RefSeq ORF: 2067 bp

Locus ID: 1487973

MW: 75.6 kDa