

Product datasheet for **VC101440**

DR1 (NC_000898) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DR1 (NC_000898) 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 VC101440 represents NCBI reference of NP_050176 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCTCTGACTGCTCGGGCCGGGCACACCTTGCACCGGCTGCCACTGTCCCACTATTGGTGGCTGCTGC
TTGGGCGCCACAGCTTGCGCCACGTCCACTCTTACTTGCGGTTGCGAAAAGGCCTGCGCCTCCCCCTGCC
TTGGCCAGAACAGGAGTGCCTCCACCTCCATCCAAAGCCTTACAAGTTTTTGTGCGATATCCATGCCTC
ACACGGCAACCTCATCTGCTGCAGGGTGGCCCGTACTCAAGCCTCTGGTTTGTATCCTAAGCCCTACC
ACCAAGCGCTGACTCTAAGTTGCTTCCCTTGGGACTCATCAGCTGTCAGCCTCAGCATGAGGGTGAG
CGAGCCGACGCACTGCAGTGGATTTTCATGCTGCAGATCCGTCTCTGAGCTGGCTGACCGGCTTTCACCT
TGGCTGGTCTCCTCCAGGCCCTGGCGGTAGTCTGTTTTGTACGATGTGTTCCAGGGAAGGTTGTACC
TGCTGTCTCACTCCGTCTCACTGTTCTGAAGACGGGCTGAGACAGTGCAGGCGATCTACAGAGCTCC
CCTGTGGCGGGTGAACCACTGCCATCCCTGTGGACTGTGCGACCCCTGATACCGGTTTTCTCCCAAA
CTTCTTGCTAGAAGTGCAGAAAGGGCCTTGCAGCCTTCTACGCTCTCTGGCGCTGCATCTGGGCTCTC
GGAGCGAGTTGAGTACCCAGTTCTCGAATGGGAGCGAACGGAAGTGGTCTCACAGACCGCAGGCGCGG
ATGGCCCTGTACTCATCTTCTGTCCGGTCCGAGAGTCAAAGAGTGTCTAGCTCCGATGTGGGGACACC
TGGAAATGCTGCGACCGAAAAGCTGCCGGCGGGAAAGAAGAGGCTGAGCGGGGAGGTGCGCAGCAAGCAA
CAGACCGCTTGGCTTCTCCCATCTTACACGCGCCGACGGGACTGTGGGAGTCACTGCAGGGTGAGGA
ACCTCCGCGCGGAGGATTTCCGCCGATGTAGGCCACTCCTGGATGAATTGTGTGGGAGGGGGTTGG
CTCCCTTTTGCCTTCTTACTGCTGCTCCCTCATGTGTGCCTGATCCTGACGGAGGAGGCTGTCCCTGG
CCCTGGACCTTAATGATACATCTCTTTGGAGAATCGCCGACGACCTGGAATTTCTTTGAGGCTGGGCTC
ACTGTTGCTTTTGTACGACTTCCGCTGCCCTGCGCCACCATCTGGCTCCGGGGAAGCCGACAGGAAG
CCTGGCTACGAAAAGGAAGAGGGAAGAGGTGCGCTACCACTGCATCAGCCACAGCGCAACCTCTCCCC
GGAGACCGACCCGGCCACGGGGCTGACAGAAAAGGGCCGGGTGACCACAGGGGATGTGCCTTTTAGCGC
CCACCCTGAATCTGAGGAGCAGACCGGTCACCATGGAAGGCAGGAATCTGGCCATGGAGACCAGAGA
GGTGGGGATGGCCGCGGCCACCGCATGATGGAGCTCGCAGGCACGAAATGATGAGACTGAGCCACAGC
AGAGAGGGGAGCACGAAGACGGTGAACAGACAGACAGTGGGAGGGAGGAGGATGCCAGGAATCAGAAGT
GGCACGGCGCGACGAGAAAGGCACAGAGCAGGGAGGGAGTGGACGGAGCTGTGGAAGGGCAACCCAGACA
TACGGTGGACGAGCGAGCACGGGGCTTGGTCCAGTATCCCTTTGAGCGTTCCGAGACCTGACCCCTCGGG
TGTGGGTTCCACCACCCACCTGCTGTTCCCTAGTCTCTCCCTAGCATTACACCAGTGGAAAGTGAACC
CAGCGCACGACCCGCTGTCCACCAGGACCGGCTGAAGAACCATCCAAGTGCAGTCCCTGCCACCTTGC
CCCTCACCTGATGCCCCACAATCAGCTGTGCCGCGCTTAGCGCATTGTCTGTGCCTTCCCCAGCACAG
CACGGGTTGCTTCACTCTCTCTCTGTCTAGCTCATCATCAAGTTCAAGCAGCAGCAGCCCTTTA
CTCTCCAGTCCACTTAGCCCCCTTCCCCGTGTCACCTTCTTCCGAGATCCCCCTTATCTCCCCT
ATAAGATCACCCGGCTGCGCGCCAAACCATGGGTTAGTCCGGTATCCTGTGGCTTCCCTCCCGCTC
CCAGCAGTGTCCACCTTCTTAAGCGGGTCCCAGCGTGCCAAGCTCTGCCTCTCCAGCGCTCCGTG
CATCGGACGGTCCAGACCCCTAGCGCCAGACCGCC

ACGCGTACGCGCGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC101440 representing NP_050176
 Red=Cloning sites Green=Tags

MPLTARAGHTLHRLPLSHYWLLLGRHSLRHVHSYLRLRKGLRLPLPWPEQECLHLHPKPYKFLLRYPCL
 TRQPHLLQGWPADSSLWFDPKPYHPSADSKLLPLGLITLSAFSMRVSEPTHC SGFHAADPSLSWLTGSSP
 WLVL LQAPGGSLFCHDFVQGRLYLLSHSVSLFLKTGLRQCEAIYRAPLWRVRPLPSLWTCRDPDTAFLPK
 LLARTARRGLAAFYALWRLHLGSRSEL SHPVLEWERTELVLTDRRRGWPC THLLSGSE SQRVSSSDAGDT
 WNAATEKAAGGKEEAERGGQQATDRLASPHLTRGRRDCGRSLQGEEPSAAEDFARCRPLLDLDEL CGEGGW
 LPFAFLTASPHVCLILTEGGPVLALDNDTSLWRIADDLELLLRLGSLLLL SGLRPLRPPSGSGEAARK
 PGYEKEEGRGRATTASATAATSPRRPTRPRGVTEKGRVTTGDVPFSAHPESEEQTDGHHGRQESGHGDQR
 GGDGRGHRDDGARRHANDETEPQQRGEHEDGEQTD SGREEDAQSEVARRDEKGT EQGSGRSCGRATQT
 YGGRGEHGAWSSIPLSVPRPDPVWVPPHLLFPSPLSITPVEDEPSARPRCPPGPAEEPSKCSPCPPC
 PSPDAPQSAVPRLSALSVSPSTARVRFSLSSSSSSSSSSSPSPSPSPSPSPSPSPSPSPSPSPSPSPSP
 IRSPGLRAKPWVSSGHPVAFPPAPSSAPPFSKRVPSPSSASPSAPCIGSRPPSAQTA

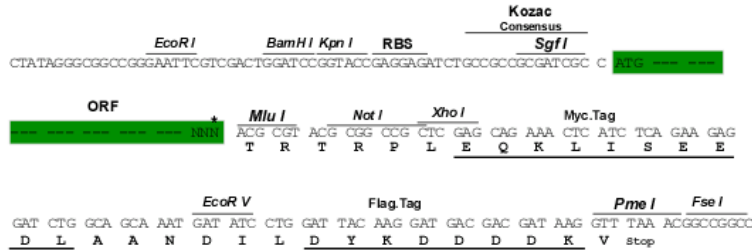
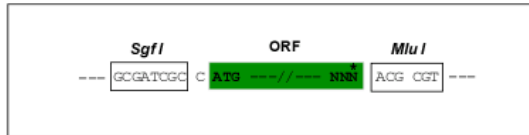
TRTRRLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC_000898

ORF Size: 2277 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_000898.1](#), [NP_050176](#)

RefSeq ORF: 2277 bp

Locus ID: 1497018

MW: 82.6 kDa