

Product datasheet for **VC101537**

DR6 (NC_000898) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DR6 (NC_000898) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DR6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101537 represents NCBI reference of NP_050277 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACAACCCGGCACACACAAACGAGAGATGGGCGCATTGCAATTAGACGAGACGGTGCGAGGCTGGCAC
ATGCAAGGGCCAGGGCCAGATTCGAGTGGCTCTTGTGGCCAGGGGCAGGCCAGTAAGTTGTACGGGTA
CACCTCAAGGCATAGAGGGGAACGGATACATCTGCCTTGGCCCCGATACTGGTGTCTCGAACTGCATCCT
GACCCATACAGGGACGCAAGATCAGCCACTGTCTGGGGCCACCGATGGGGTTGGCCACCTACACATGTGC
GACCCAGATCAGTGCAGGACTGTGCGCTGGACTCCTCCCTCTATGTGTGTGCGGCTATGGGAGAAACT
GCAGCCAGTAGGATTTGTATCAAGTTACCTCACACACAGTCCGCTCGACACTCTGCGAGTGTGCTGGTT
GGTCGAGACGGCGCCGTGTATGTGCACCATATGAGGGCCGCTCGCTTGTGTGACTTGCCTAACGTGA
CAGAATTCGCCCAGGGGATTGCAACGGGATCCCGTTGCCTACGAAGAAGACCTGGAGCTGCCGATAG
GCGAATGTGTGGACCAACGTGCGGCACCTTTTCGATGTGATTGCAGCAGCTGCTGACGAGCATGACCTG
CTGACAGTTGGAGGGCTTTGTGACACACGCTGGGGTCTCCTGTGAGCTGCTGGAGACCGTGAGGGACC
CTTGGACCGCTGTCCAGGGGTGCGAATGACATTGACTGTGGCTAGAGCCAGTATCGGTTGTGGCCGA
TGCAAGAAGGCAGCTGCGGCTCCACCTGTATGCTGGCCACCCCTGGGACCGTGGATCGTCTGTGCCGTT
CTGAGTCGGGAGCGAGAGACTCAGACACCGAGCCCTCCGATCGGGAGTGGCGGTGTATACTGGGAATG
TGCCATACCCAGGCCGAGGGAAGTGGAGACTGCCTGGGTGATCGTGACAGTAGCTGGCCACTTTTGTG
ATTTTGGCCCATAACGGAAAAATCTGCCGCTCGAAATTCATTTGCAGCCCTTTGGAGATGGGACCA
CGCGCCATGAGGGGCCATTGGACATACAGCGCTCCGGGCCGACATTTGCCTGGCGACGCTTGGCCGCTT
GCGAGCACGTTAGACCGCTGTGGGAAACTGCCCCGCAACGCGCCTACCTGGAT

ACGCGTACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC101537 representing NP_050277
Red=Cloning sites Green=Tags

MTTRHTQTRDGRGIAIRRDGARLAHARARARFEWLLLAGRPSKLYGYTSRHRGERIHLWPWRYWCLELHP
 DPYRDARSATVWGHRWGWPPHVRPRSVQDCALDSSLVCCGYGEKLQPVGFVSSYLTHSPLDLRVLLV
 GRDGAVYVHHMRAARLCRLASNVTEFARRGLQRDPVAYEEDLELPDRRMCGTNVRHLFDVIAAAADEHDL
 LTVGGLCQTHAGVSCELLETVRDPWTA VPGVRMTLTVARAQYRLWPDARRQLRLHL YAGHPLGPWIVCAV
 LSRERETQTPSPPIGSGGVILGNVPTPGPREVETAWVIIVTVAGPLL SFWPDNGKICRLANSFAALWRMGF
 RAMRGHWYTSAPGRHLPGDAWPLCEHVRPPVVGKLPQRAYLD

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_000898

ORF Size: 1176 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_050277](#)

RefSeq ORF: 1176 bp

Locus ID: 1497098

MW: 44.3 kDa