

Product datasheet for **VC101545**

DR6 (NC_001716) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DR6 (NC_001716) 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 VC101545 represents NCBI reference of YP_073745 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTGCTGAGATGTTGCGCGCTGTTCACTGCAGCCGCGCCGGGGTCACTCTAGCTCCCAACCT
CTCCCCGCTGGAAGGTGAACCAAGCCCTAAACGCCTGCAATCCTCCAACAGCCATCAGGGACGGAGAGG
AAGACCTAAACCGAGAGCCAAGACCTGGTCCGAAGCACTTCTCACCGGTCTTTTCTTAACATCTACGCT
TGGCTGTCCCTTTCAAGAGGATCCCCTCGGAAGTATATGGTTACGCTTCCGGCACAGGGGGAGCTTG
TTGCTCTTCCATGGCCCCAAATTGGAGTCTCGAACTGCACCACGATCCTTATAGGGATGCTCGAGCACA
GACCGTGTGGAGCCACCCTGGGGATGGCCCGCCACTCACGTGACCGCTCGGACCGTCCGCGATTGTGCA
CTGGACACCCACATGTATGTATGCTGCGCCGCGGGGAAAAGCTTCAAGCCGGTGGGGTATGTGCGAAACC
GGGCCGCCCTTCAAGCCTTAACAGCCTGAGGGTGTGCTGATTGCTAGGGATGGTGCCATGTATGTACA
TCATATGAGGACCGCGGATTGTGCCGCTTGCCTCCAGCGTAACCGAGTTCGCCCGCCGCGCCTGCAG
CGCGAGTCAGAGGTCTACGAGGACGATGTACTGCCTGACAGGCGGGTGGGTTCAAGCCACCGCTATAC
ACCTGTTGACGTGATTACAGGCGGCCGATGTCCACGATCTGCTGACCGTGGCCGGCCTTGCCTAAAC
CCATACTGGCGTGTCTGTCAACTCTGGTATACCGATCACGACCCACATACCGTTGCCGGGGCTGTAGG
TCACTCTGACTGTGGCGAGACAACAGTACAGGCTCTGGCCCAATGCTAGAAGAAAGCTGCTCCAGCACC
TGACCCCGACCCCACTGGGCTGTGGCTGTGTGCGCTGTGCTGACGTACGACGCAAGGAAACTAA
TCGGGCTGTCCCACCGGTCAACCCAGGCGCCGAAACCGTATGGGTGATCGTAACTGGAAGGGGCGCCATT
CTGGGATCTGGCCGGAGAGTGTAAAGTGTGCCGACTGGCCAGCTCCATGAAGGGCCTTTGAAGAATG
GAGCCCGAGCACTGAAGGGTCACTGGACTTACGCCGACCCGCGCCGCATAGAGCCGGAGAAGCTTGGCC
CCTGTGTGCACACTATCAGAGCCCCAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC101545 representing YP_073745
Red=Cloning sites Green=Tags

MSAEMLRVAVQLQPRRRGHSSSPTSPPLEGEPSPKRLQSSNSHQGRRGRPKPRAKTWSEALSHRSFLNIYA
 WLSLSRGSPPRVYGYAFRHRGELVALPWPNNWSLELHHDPIYRDARAQTVWSHRWGPATHVTARTVRDCA
 LDTHMYVCCGRGEKLQPVGYVRNRAAPSDLNSLRVLLIARDGAMYVHHMRTARLCRLASSVTEFARRGLQ
 RESEVYEDDVSLPDRRVGSATAIHLFDVITQAADVHDLITVAGLCQHTGVSQQLWYTDHDPHTVAGAAR
 FTLTVARQQYRLWPNARRKLLQHLHPDHPLGLWLLCAVLTYDAKETNRAVPPVTPGAETVWVIVTGRGAI
 LGFWPESAKMCRCLASSMKGLWKNGARALKGHWTYAAPGRHRAGEAWPLCAHYQSPR

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001716

ORF Size: 1218 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_073745](#)

RefSeq ORF: 1218 bp

Locus ID: 3289463

MW: 45.8 kDa