

Product datasheet for **VC101086**

single-stranded DNA binding protein (NC_009334) Virus Tagged ORF Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | single-stranded DNA binding protein (NC_009334) Virus Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | single-stranded DNA binding protein |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >The Viral ORF clone VC101086 represents NCBI reference of YP_001129510 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s) |

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGCAGGGGGCGCAAACCTTCAGAGGACAATCTGGGCTCTCAGTCACAACCTGGACCCTGTGGATACATTT
ATTTCTATCCTCTGGCTACTTATCCACTCCGGGAAGTGGCTACCCTCGGGACCGGCTATGCAGGACATCG
ATGTCTGACTGTCCCCTGCTTTGCGGGATTACCGTCGAGCCCGGCTTTAGCATAAACGTGAAAGCCTTG
CATCGGCGACCTGATCCAAACTCGGGCTCCTCCGAGCGACCTTTACCACAGAGATATCTGTGTTTC
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CCCAGGAACTACGCCGTGGAGCATCTGGTATATGCCGCTAGTTTCTCCCCAACTTGTGGCCCGGTAT
GCATACTACCTGCAGTTCTGTCAAGGACAAAAGAGTTCTTTGACCCTGTACCCGAGACAGGCTCCTACG
TGGCGGGGCTGCTGCTTACCCATGTGTTCTTGTGTGAGGGTCGAGCGCTGCAGTTTGTCTGAATAC
CCTGTTTTTCCGCTTGGCGATAGATTCCCGCCAGTCATGTCAACTCAACGGCGCGACCCCTATGTTATA
AGCGGGGCATCTGGGTCTTACAATGAAACCGACTTTCTGGTAATTTTTCTGAATTTTATCGATAAGGAAG



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ATGATGGCCAGAGACCAGATGATGAACCACGGTACACCTACTGGCAACTGAACCAGAATCTGCTGAAAAG
 GCTGAGTCGCCTTGGTATTGACGCTGAAGGGAAGCTCGAGAAAGAGCCACATGGACCTCGAGACTTCGTC
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
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Protein Sequence:

>VC101086 representing YP_001129510
 Red=Cloning sites Green=Tags

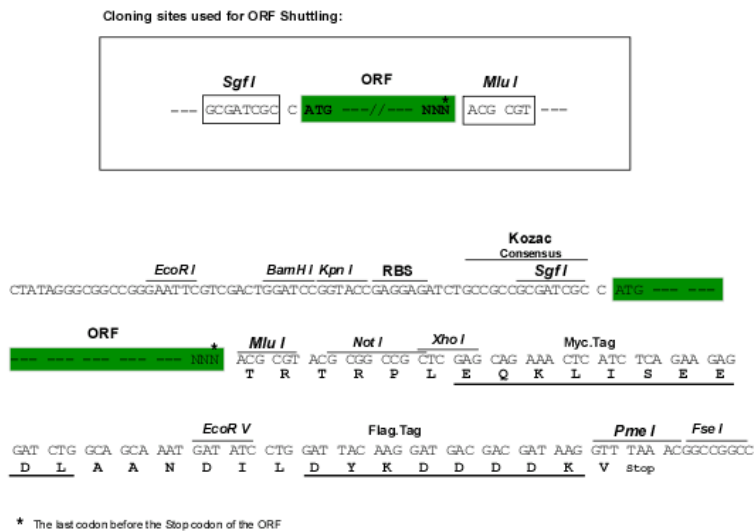
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 HRRPDPNCGLLRATSYHRDIYVFHNAHMVPIIFEGPGLAALCGETREVFVGYDAYSALPRESSEPGDFPPE
 GLDPSAYLGAVAITFAFKERLYSGNLVAIPSLKQEVAVGQSASVRVPLYDKEVFPQVPLRQFYNSDLS
 RCMHEALYTGLAQLRVRVVGKLVLEKQSLQDQAKVAVAPLKEFPASTISHPDGALMIVDSAACEL
 AVSYAPAMLEASHETPASLNYSWPLFADCEGPEARVAALHRYNASLAPHVSTQIFATNSVLYVSGVSKS
 TGQKESLFNSFYMTHGLGTLQEGTWDPCCRRPCFSGWGGPDVGTNGPGNYAVEHLVYAAASFSPNLLARY
 AYYLQFCQGGKSSLTPVPETGSYVAGAAASPMCSLCEGRAVAVCLNLTFFRLRDRFPVMSTQRRDPYVI
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 KMFKDVAADVAEYVQFMNSMAKNNITYKDLVKSCYHVMQYSCNPFAPACPIFTQLFYRSLTILQDIS
 LPICMCYENDNPGLGQSPPEWLKGHYQTLCTNFRSLAIDKGVLTAKAKVVHGEPTCDLPDLDAALQGRV
 YGRRLPVRMSKVLMLCPRNIKIKNRVFTGENAALQNSFIKSTTRRENYIINGPYMKFLNTYHKTLPDPT
 KLSSLYLWHNFSRRRSVPPVPSGASAEYSDLALFVDGGSRAHEESNVIDVPGNLVYAKQRLNNAILKA
 CGQTQFYISLIQGLVPRQSVPARDYPHVLGTRAVESAAAYAEATSSLTATTVVCAATDCLSQVCKARPV
 VTLPVTINKYTGVNGNQLFQAGNLGYFMGRGVDRNLLQAPGAGLRKQAGGSSMRKFFVFATPTLGLTVK
 RRTQAATTYEIEINIRAGLEAIIISQKQEDCVFVVCNLDAMGEACASLTRDDAEYLLGRFVSLADSVLE
 TLATIASSGIEWTAGAARDFLEGVWGGPGAAQDNFISVAEPVSTASQASAGLLLGGGGQGSRRRRLA
 TVLPGLEV

TRTRRLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NC_009334

ORF Size:

3384 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.

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| 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: | <ol style="list-style-type: none">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: | <u>NC_009334.1</u> , <u>YP_001129510</u> |
| RefSeq ORF: | 3384 bp |
| Locus ID: | 5176206 |
| MW: | 123.1 kDa |