

Product datasheet for **VC100408**

52K (AC_000006) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	52K (AC_000006) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	52K
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100408 represents NCBI reference of AP_000145 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCACCCGTTCTGCGGCAGATGCGACCTACCCCCCGCAACCACAGCGACCGCAGCAGTAGCTGGCG
CCGGGGCCAGCCAACCACAGCCACAGACCGAAATGGATCTTGAGGAGGGAGAGGGTTTGGCCCGACTGGG
TGCTCCAGCCCCGAACGACACCCAAAGGGTGCAGCTGCAGAAAGACGTCAGACCAGCATATGTCCCGCC
CAGAACCTGTTCCGAGATCGGTCTGGCGAAGGCCAGAAGAGATGAGAGATTGCCGATTCGAGCTGGCC
GCGAGCTCCGGGAAGCCCTGGACAGACAAAGGGTCCTGAGAGATGAGGACTTTGAGCCTAATGAGCAAAC
CGGGATCAGCCCAGCCAGAGCACACGTGGCCGCCGCAAACCTGGTGACTGCCTACGAGCAAACCGTTAAA
CAGGAGAGAACTTCCAAAAAGCTTTAAACACCAGTCAGGACACTTATTGCCCGCAAGAGGTCGCC
TGGGGCTTATGCACCTCTGGATCTGGCTGAGGCCATAGTCCAGAATCCAGACAGCAAACCTCTCACTGC
CCAGCTTTTTCTGTCTGTCAGCATAGTCGGGACAATGAGGCCTTCAGAGAGGCCCTGCTTAATATAGCT
GAGCCAGAAGGAAGGTGGCTGCTGGAAGTATTAACATTCTTCAGTCCATTGTCGTGCAGAAAGGTCAT
TGTCTCTGGCAGAAAAAGTGGCAGCTATCAATTACTCCGTAATCTCCCTGGGAAGTTTTACGCCAGAAA
AATTTACAAAACCCCTATGTCCCATCGATAAAGAGGTTAAATCGATTCTTTTATATGAGAATGGCT
CTGAAGGTCTTGACCCTTCCGATGACCTGGGCGTATATAGGAACGACAGGATACAAAGGCAGTCAGCG
CCAGCCGGCGCAGGAACTCAGCGATAGGAACTGATGCTCTCTCAGAAGAGCACTGGTTGGAGGTGC
CGCTGGCGGCGAAGAATCCTACTTCGACATGGGAGCAGACCTCCATTGGCAGCCAGCCGCCCGCCTTG
GAGGCAGCCTATGGACCAGAGGACCTGGATGAAGAGGAAGAGGAGGAAGAGGATGCGCCTGCAGCCGGGT
AC

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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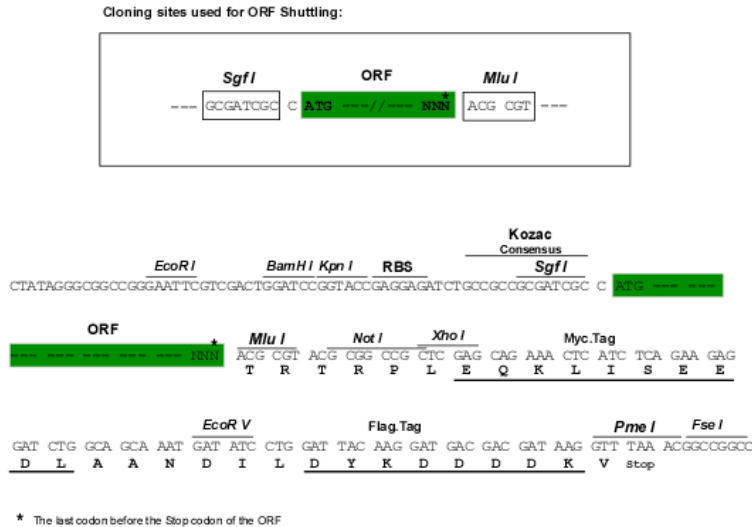
Protein Sequence: >VC100408 representing AP_000145
Red=Cloning sites Green=Tags

MHPVLRQMRPTTPATTATAAVAGAGASQPQPQTEMDLEEGLARLGAPSPERHPRVQLQKDV RPAYVPA
 QNLFDRDSGEEPEEMRDCRFRAGRELREGLDRQVLRDEDFEPNEQTGISPARAHVAAANLVTAYEQTVK
 QERNFQKSFNNHVRTLIAREEVALGLMHLWDLAEAI VQNPDSKPLTAQLFLVVQHSRDNEAFREALLNIA
 EPEGRWLELEL INILQSI VVQERSLSLAEKVAAINYSVLSL GKFYARKIYKTPYVPIDKEVKIDSFYMRMA
 LKVLTLSDDLGVYRNDRIHKAVSASRRRELSRELMLSLRRALVGG AAGGEE SYFDMGADLHWQPSRRAL
 EAAYGPEDLDEEEEEEDAPAAGY

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: AC_000006

ORF Size: 1122 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: [AC_000006.1](#), [AP_000145](#)

RefSeq ORF: 1122 bp

MW: 42.2 kDa