

Product datasheet for VC101677

ORF45 (NC_009333) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ORF45 (NC_009333) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF45
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101677 represents NCBI reference of YP_001129397 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTATGTTTGTGCGCACCTCAAGTTCTACACACGACGAGGAGCGAATGCTCCCCATCGAAGGCGCAC
CCAGGCGACGGCCCCAGTGAATTCATCTTTCCACCACCCCTCTTAGCTCCCTGCCAGGATTTGGGCG
CCCGAGAGGCTATGCGGGACCTACGGTCATTGATATGTCTGCACCCGATGATGTGTTCCCGAAGATACG
CCAAGCCCCCGCTACTCCGCTCGACCTGCAGATCTCTCCAGACCAATCCAGTGGCGAGTCAGAGTATG
ATGAGGACGAAGAGGACGAGGACGAAGAAGAAAACGACGACGTGCAGGAAGAGGATGAGCCTGAAGGGTA
CCCGGCTGATTTCTTTCAGCCACTCTCACATCTGCGCCCCAGACCTCTCGCTCGGAGAGCCACACCCCA
AAGCCCGTCGAGTAGTGCCGGTAGAGTCCGACGAGTACAGATACCGCCGAATCCGAGGCCTCAATGG
GATGGGTTTCTCAAGATGACGGTTCTCCCGAGCCGGACTTTACCGTCTGACGACGAAGGTGTCGCCAT
TCTGGAGCCAATGGCCGTTACTACTGGCACAGGCGGTACGGCTGTCCCTGCCCTCCAGAACTCCGTG
CCCGGGACACAGTCTAGCCCTTATTCTGACCCCGATGAAGGTCCAGCTGGAGACCACTCAGGGCTGCC
CAACCGCAATTGTTGATCTCACAAGTATTCTGACAGCGAGACTCCTCAAATCTCTGACGTCAATAA
CGAAGCTGCATTCACAGACGCAAGACATTTCTCTACCAACCACCATCCTCCGAGGAAGACGGAGAGGAT
CAAGGAGAGGTGCTGAGTCAGCGCATTGGACTCATGGACGTCCGACAAAACGGAAAAGACAGACCCG
CTAGTAGCGGTTCCGAAGATGTGGTTAGGTGCCAGAGACAGCCGAATCTGAGCAGGAAGGCTGTAGCTTC
CGTGATAATTATCAGCAGTGGTCCGACACAGATGAGGAACCTCTAGCGCTGTGTGAGTAAATAGTTAGT
CCGTCCAGTACTAAGGGACACTTGCCACTCAATCTCCAGTACATCAGCTCACTCAATTTCTAGTGGTT
CTACAACCACCGAGGGTCCCGCTGTTCCAGACCCACCCGCATCTGGCATCTACTCCTCTTTGTGCGG
CAATGGCGCCTAATTGGCCATGGCTGGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



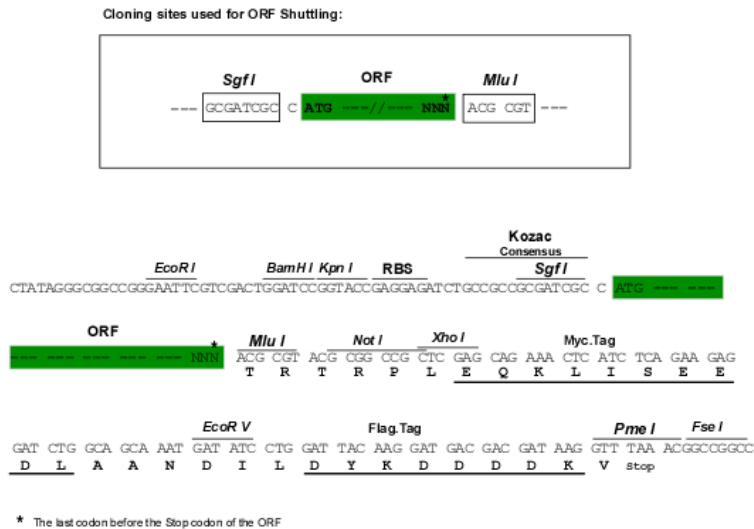
Protein Sequence: >VC101677 representing YP_001129397
Red=Cloning sites Green=Tags

MAMFVRTSSSTHDEERMLPIEGAPRRRPPVKFIFPPPPLSSLPGFGRPRGYAGPTVIDMSAPDDVFAEDT
 PSPPATPLDLQISPDQSSGESEYDEDEDEDEEENDDVQEEDEPEGYPADFFQPLSHLRPRPLARRAHTP
 KPVAVVAGRVRSSTDTAESEASMGWVSQDDGFSPAGLSPSDDEGVAILEPMAAYTGTGAYGLSPASRNSV
 PGTQSSPYSDPDEGPSWRPLRAAPTAIVDLTSDDSDSSNSPDVNNEAAFTDARHFSHQPPSSEEDGED
 QGEVLSQRIGLMDVGQKRKRQSTASSGSEDVVRCQRPNLSRKAVASVIISSGSDTDEEPSAVSVIVS
 PSSTKGHLPTQSPSTSAHSISSGTTTAGSRCSDPTRILASTPPLCGNGAYNWPWLD

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_009333

ORF Size: 1221 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_009333.1](#), [YP_001129397](#)

RefSeq ORF: 1221 bp

Locus ID: 4961474

UniProt ID: [Q2HR82](#)

MW: 43.3 kDa