

Product datasheet for **VC102335**

ORF045L (NC_003494) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ORF045L (NC_003494) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF045L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC102335 represents NCBI reference of NP_612267 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGATCACAGCCCAGACAGTGACCGACGACGTTTCTGGTAGGGTGTGGCACGGGACAGAACCCGATT
CTGAACCACAACAGATGCTGCGCCGCCAGTAACGCCCCCAGGCCTCCAGCACCTCCTATTCTCTCTTT
CGGAGCAAGCGGGACCTGTAATGCCTACAAAGCATACATCGACAATGCAGTGCAGTCCGTGGTGATGAC
GTGCGGTGCGGAGATCCCACCGGAACACTTCTCGACCAGTACAAACAGGCCTGCCTAAGCAAATAACAAG
AATATAGCGCCGACTTTGAGCGCCATACTTGTGCAGAGGCGGATGACTACTGTAGGGTTCTGCAAGGGGT
GGTGGACAACGTGCTGTCTGTACATGAATGATAGCGCTGAGAGACTGCGAAGGTAAGTCCCGAGCCACC
GAGGATATGGCCTACGAGGCGCTGCTGCGACACGACGACATAAGTCCAATGGATAAGGTCATGCTCGCTA
TGCCCCCTCCCCTGTGGGGTCAACCGTAAACGAAGGGCTATGTATACGAGAATGTGCGTCCAACCCGC
CTCAGGCATCAATCCAAATCCCTCCAGTAAGCATGTACTGTGCACAGTGCATCGACCCCCAGGCACTGGG
CCTTGTGTCTTCTGGAACATGCGCTGCGATATCCACTCCATGAGTAAGACAAAATCTTTCCTAATG
CGTTCATCTCCAACACTACAGTACTGTGCGATGACTCCTTGTGGGACTTATGCGGTGATAGGCGCACC
CGCCCAGGGGTATCATACCCTGCCCAACGCAGGATGGGGATCAGGTTACTGTATACCTGCAGTGCCTG
ATGTTCCAGCAGTTCATAAGAAGGCTGGACGTGCAGTTCGATCCACAGAGTCGCGTTGTGCTGCTTGAGT
AT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC102335 representing NP_612267
Red=Cloning sites Green=Tags

MLITAQTVTDDVSGRVWHGTEPDSEPPQMLRRPVTPRPPAPPILSFGASGTCNAYKAYIDNAVQSVVHD
 VRCGDPTGTLDDQYKQALPKQIQEYSADFERHTCAEADDYCRVLQGVVDNVLSLYMNDSAERLRRYCRAT
 EDMAYEALLRHDDISPMDKVMLAMPPSPVGSVPKRRAMYTRMCVQPASGINPNPSSKHVLCVHRPPGTG
 PCVLFWNMRCDIHSMSTKIFPNAFISNYTVLCDDTPCGTYAVIGAPAQQGYHTLPPTQDGDQVTVYLQCV
 MFQQFIRRLDVQFDPQSRVLLLEY

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC_003494

ORF Size: 912 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_003494.1, NP_612267
RefSeq ORF: 912 bp
Locus ID: 935381
MW: 34.0 kDa