

Product datasheet for **VC102312**

ORF022L (NC_003494) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ORF022L (NC_003494) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF022L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>The Viral ORF clone VC102312 represents NCBI reference of NP_612244 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTTCCACCGTCTTGAGATAGGGGACGTGTTGGTCTCGTTTCAAGAGATAATATTCGGGTGATGTACA
 ACCGCGATCCTGGGCAAGCAGTGCTCTGAACAATACCACCCAAGGATGTGTAACCGTGACCGCCGTGCC
 GGATAACGGGGACTACGAAACGCTGCGCAGGTGCCTGATCGTCGACGCCAGATCTTCGGATCCCGACTG
 AGGGTGCCATAACCTTGATTTCATCCCGACATGAGCCAAGATGGCTTCGTTAATTATCAGGACATGGGTA
 CGCACATCGTTTTTGTCCACATATTTCAACGCTGCCAGATGCCCGTTGTGAATTACGCCGCCAGGGA
 GCTGATCTCAAGCGGTGGAAGACCCAGCCTATGACGATCATTGTGTACGTAAGTGCGCTTCAGCTGGAT
 AGACTTAGACAGCTGGTACATATTAAGGCAGGCGGCCAGGCCAATGGAGCAATGCACGTGCTGATGTTCT
 ACCAGGGTCGCTACGAGATAGTTACTTGTATAGACAAGCACTCAAATACGGACGTCGATACTGGGATGGC
 TAGCTCTTTTAGTACTATGTCAACGTGCCACTGCCACTGGGGCCGGTCACTCCCGCGTAAATGCTGCAC
 GTGATGCCACGCGGAACGGCATTGTGTTGAAGTCAAGGCACAATCATAACACTTATACTGGGCCGACA
 TCGAGGCCATGGACGGAGTCAAATGGAGGTTTCTACACCCAGGCACCAACGGTTATCCACTCGCACC
 TAATACGCTGATGTCCGCCACTGGCCAACCTGCAAACGCACTCCAGAGGTTTAAATAGTCCAATTGGCGGA
 ATCATGCCGATTACCTACGACACTCTGACACATTACGACGTCCCCAGATCCTGCCAGCACCCCTGCC
 CCCCAGCCCCCGGAGGCATGTACATTTGATGACAGCATCGAGCATAATCGGCAGACCAATGTTTCCGT
 CGTCTTGATGACATCACTTCACTGAGGGTGGATGCGATTGTGAATGCCCAATCCCGGAGGCCTCGGG
 GGAGGAGGGTGGACGGCTCTATTCACCGGATGGCCGGACCCGAACCTAAGCGAGAGTGGGAGACTGG
 CGGCATACGCTTCGGGGAAGCCAAAATCACAGGTGGATACCGCCTTCCCGCCACATATGTGATCCACAC
 AGTCGGCCCCATTCTGAACCGGGCGCAAGACCCACGGCCGCTGATAAGCGGGTGTGACCTCCTGTAC
 ATCCAGAGTCTGCACGTGACAGGCAAACGGAGCACGGACAATCGCATTCCCATCCATTCTACGGGAG
 CGTACAATATCCGATTGAAGATGCTGTTTATGTCGCCATGTCTTCAGTTCGCGCCTACGTGATCCAGCA
 CCCCAGGCGTTCGACCATATTGTTTTCTGCACCTTTAGCAACGCCGACTTTCAAGTGTACAACCTCACAG
 CTCCAACGTATTTAAACCCGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC102312 representing NP_612244
 Red=Cloning sites Green=Tags

MFTVLEIGDVLVLVSRDNIRVMYNRDPGQAVLNNTTQGCVTVTAVPDNGDYETLRRCLIVAAQIFGSRL
 RVPITLIHPDMSQDGFVNYQDMGTHIGFCPHYFNAAQMPVVNYAARELISSGGRPQPMIIVVYSALQLD
 RLRQLVHIKAGGQANGAMHVLMFYQGRYEVTCIDKHSNTDVDTGMASSFRYYVNVPLPLGPVSPGVMLH
 VYATRNGIVLKSRRHNHTYTWADIEAMDGVQMEVSYTPGTNGYPLAPNTLMSATGQLANALQRFNSPIGG
 IMPITYDTHYDVPQILPAPPAPPARHVHFDSDIEHNRQTNVSVVLDITSLRVDIVNAANPGLG
 GGGVDGSIHRMAGPELKRECELTGGIRFGEAKITGGYRLPATYVIHTVGPILNRGARPTAADKRVLTSCY
 IQSLHVAQANGARTIAFPSISTGAYNYPIDAVHVAMSSVRAVVIQHPGAFDHIVFCTFSNADFQVYNSQ
 LPTYFNPVQ

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC_003494

ORF Size: 1497 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_612244](#)
RefSeq ORF: 1497 bp

Locus ID: 935380

MW: 54.4 kDa