

Product datasheet for **VC101014**

K15 (NC_009334) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	K15 (NC_009334) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	K15
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 VC101014 represents NCBI reference of YP_001129436 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGCTCTCTTGAATGGTGCCCATGGGTGCAGGACCACCTAGCCCTGGGGGCGACCCCGATGGCGATG
 ACGGCGGTAACAACAGTCAGTATCCCAGCGCAAGCGGGAGTAGCGGCAATACACCAACTCCACCTAACGA
 CGAGGAGCGGAGTCCAACGAGGAGCCACCACCACCTACGAAGATCCCTATTGGGGGAACGGGGATCGG
 CACTCTGACTACCAACCTCTGGGAACACAAGATCAGTCCCTCTATTTGGGGCTGCAGCATGATGGAAACG
 ACGGGTTGCCGCCACCCCGTACAGCCCTCGCGATGACTCTTACAACATATTTACGAAGAAGCAGGGCG
 AGGAAGTATGAACCCCGTCTGTCTCCCGGTTATTGTTGCTCCGTATCTTTCTGGCTCGCCGCTATTGCT
 GCCTCTTGCTTACCAGCTAGCGTCACTGTGGTACAGCCACAGGACTGGCTCTTTCTCTGCTGCTGT
 TGGCCCGCTGGCCAGTTCTACGAGCAGCCAGCGGAAGCTGTTGACCCTGTTACAGTTTTGACTGC
 TGTGGTACTTTTTTCGCTATCTGCCTGACATGGCGAATCGAGGACCCTCCATCAATCACTGCTTTTT
 GCCTTGCTTGCTGCTGCCGGGGCCTGCAGGGTATATACGTAAGTCTGTTATGCTTGTCTCTTGATACTGG
 CTTACCGAAGAAGGTGGAGGCGCCTCACCGTGTGTGGCGGCATCATGTTCTGGCTTGTGTCTGGTGTCT
 GATCGTCGACGCTGTCTCCAGTTGTCTCCGCTGCTCGGCGCCGTGACAGTAGTCAGCATGACCCTGCTC
 TTGCTCGCATTCTGCTGTGGCTGAGCAGCCAGGTGGACTGGGGACACTCGGGGCCCGCTGCTGACCC
 TCGCGGCTGCACTCGCCCTCTGCCTCTCTGATCCTGGGAACACTCAATCTACCACCATGTTCTTCT
 GATGCTTCTTTGGACATTGGTTGACTGCTTATCTGTTCTTCTGTAGTTCATGCCCTCTTAGTAAATC
 CTGCTCGCTCGCTTTTTCTCTACGCTCTCGCACTTCTCTCTCGCATCAGCCTTGATTGCAGGGGGCA
 GCATTCTGCAGACCAACTTCAAAAGTTTTGCTTCTACAGAATTCATTCCAACCTCTTTTGTATGTTGTT
 GCTCATTGTGCGAGGATTCTGTTTCATCTGGCTATTCTGACTGAATGGGGTCTGGGAACCGGACATAT
 GGTCCAGTCTTATGTGCTGGGGGGCTCTTGACCATGGTTGCAGGCGCCGTTGGTTGACTGTGATGA
 CAAACACACTGTTGTCAGCATGGATTCTGACCGGGGTTCTTGATTTTCTGATAGGTTTCGCTCTGTT
 CGGTGTGATTAGATGCTGCCGATTGTTGCTATTACTGCCTCACCTCGAGAGCGAAGAGCGCCCGCCA
 ACTCCCTACAGGAACACAGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101014 representing YP_001129436
 Red=Cloning sites Green=Tags

MGSLEMVPMGAGPPSPGGDPDGDGNNNSQYPSASGSSGNTPTPPNDEERESNEEPPPPYEDPYWNGDR
 HSDYQPLGTQDQSLYLGLQHDGNDGLPPPPYSPRDDSSQHIYEEAAGRSMNPVCLPVIVAPYLFWLAIA
 ASCFTASVSTVVTATGLALSLLLAAVASSYAAAQRKLLTPVTVLAVVTFFAICLTWRIEDPPFNLLF
 ALLAAAGLQGIYVLVMLVLLILAYRRRWRRLTVCGGIMFLACVLVLIIDAVLQLSPLLGAIVTVSMTLL
 LLAFVLWLSPPGGLGTLGAALLTLAAALALLASLILGTLNLTMMFLMLLWTLVLLICSSCSSPLSKI
 LLARLFLYALALLLASALIAGGSILQTNFKSLSTEFIPNLFMLLLIVAGILFILAILEWGSNRTY
 GPVFMCLGGLTMVAGAVWLVMTNTLLSAWILTAGFLIFLIGFALFGVIRCCRYCCYYCLTLESEERPP
 TPYRNTV

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NC_009334

ORF Size: 1491 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_009334.1, YP_001129436](#)

RefSeq ORF: 1491 bp

Locus ID: 5176182

MW: 53.0 kDa