

Product datasheet for **VC101640**

K3 (NC_009333) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	K3 (NC_009333) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	K3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101640 represents NCBI reference of YP_001129360 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGACGAGGACGTCCCAGTATGTTGGATCTGTAACGAGGAGTTGGCAATGAGCGGTTTCAGAGCTT
GTGGTTGTACCGCGAGCTGGAGAACGTGCATAGATCATGCCTTAGCACCTGGCTGACGATCAGTAGAAA
CACTGCCTGCCAGATTTGCGGGTTGTGTACAACACAGGGTCGTGTGGAGGCCGCTCAGGGAAATGACA
CTGCTCCACGCCTGACCTATCAAGAGGGTCTTGAGCTCATAGTATTCATCTTCATGACTCTCGGCC
CGGCCGGGCTGGCCGCCACCTGGGTGTGGCTGTATATCGTGGGGGGCACGATCCCGAAATAGACCA
CGTTGCCGCCGACGCTTATTACGTGTTTTTCGTGTTCTATCAGCTTTTCGTAGTGTGGACTTGGTGCC
TTCTTCCACATGATGAGACATGTCGGCCGAGCCTATGCTGCGGTCAACACTAGAGTGGAAGTATTTCCCTT
ACAGACCCCGACCCACATCTCCAGAGTGTGAGTGAAGAAATCGAGCTCCAAGAGATCCTTCCCCGGGG
CGACAACCAGGACGAAGAAGGTCCAGCTGGCGCAGCGCCAGGCGATCAGGATGGGCTGCCGATGGCGCT
CCGTTTCATCGGGACAGCGAGGAGCGTGGACGAGGCCGAGGGTACAAGGAAGCAGGCCAATCCACAC
ACAATGATGGGCGCGATGATAATGTCGAGCCTACTGCTGTGGGATGCGACTGTAACAATTTGGGGCCGA
GCGGTATAGGGCAACCTATTGCGGGGATACGTAGGAGCTCAAAGCGGAGATGGGGCTTACAGTGTAGC
TGCCACAACAAGGCTGGCCCTCTCTGTTGGACATCCTCCCTCAGGGACTGTTGGGCGCGGCTACG
GATCAATGGGGTGATCAGGAAGCGCAGTGCAGTGTCCAGTGCCTCATGTTCCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC101640 representing YP_001129360
Red=Cloning sites Green=Tags

MEDEDVPCWICNEELGNERFRACGCTGELENVHRSLSTWLTISRNTACQICGVVYNTRVVWRPLREMT
 LLPRLTYQEGLELIVFIFIMTLGAAGLAAATWVWLYIVGGHDPEIDHVAAYVFFVYQLFVVFGLGA
 FFHMMRHVGRAYAANTRVEVFPYRPRPTSPECAVEEIELQEILPRGDNQDEEGPAGAAPGDQDGPADGA
 PVHRDSEESVDEAAGYKEAGEPTHNDGRDDNVEPTAVGDCDCNNLGAERYRATYCGGYVGAQSGDGAYSVS
 CHNKAGPSSLVDILPQGLLGGGYGSMGVIRKRSAYSSALMFH

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_009333

ORF Size: 966 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_001129360](#)
RefSeq ORF: 966 bp
Locus ID: 4961486
UniProt ID: [Q2HR82](#)
MW: 35.1 kDa