

Product datasheet for **VC101683**

K8 (NC_009333) Virus Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | K8 (NC_009333) Virus Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | K8 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >The Viral ORF clone VC101683 represents NCBI reference of YP_001129403 with codon optimized for human cell expression Red =Cloning site Blue =ORF Green =Tags(s) |

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCAGGATGAAGGATATTCCAACAAAGAGCTCCCCAGGTACAGACAATAGCGAGAAGGACGAGGCAG
TTATAGAGGAGGATCTCTCCCTCAACGGACAACCTTTCTTACGGATAAACAATGATGGTGGAGAAAATGA
AGTTTCTTGGACAAGCAGCCTGCTTTCTACTTATGTCGGCTGTCAGCCACCAGCGATCCCCGTGTGCGAA
ACTGTGATCGACTTGACTGCACCCAGTCAGTCTGGCGCGCCAGGGGACGAACATCTCCCTGTAGCCTCA
ACGCCGAAACAAAGTTTACATCCAGATCCATCATGGACCCTCAGTCACACCCCGCCAGGGGTCCCCA
CATCTCTCAGCAGCTGCCAACTAGGCGCTCAAAACGAAGGCTCCACCGCAAGTTTGAAGAGGAGCGACTT
TGTACGAAAGCTAAGCAGGGTGCCGGTCGACCACTCCAGCTTCTGTCGTTAAGGTTGGCAACATTACAC
CCCATTACGGCGAGGAGCTGACCAGAGGAGACGCTGTGCCCGCCGCGCTATCACTCCTCCTACCCCCG
AGTTCAGCGCCCGGCTCAACCAACACACGTCTTGTTCCTCCCGTCTTCGTGAGCCTGAAGGCAGAAAGTG
TGTGATCAATCCCACAGCCCTACCGAAAGCAGGGGAGATACGGAAGAGTTTCCAGTAAAGCCTATACAC
GGCAGCTCAACAGGCCCTGGAGGAAAAAGATGCGCAGCTGTGCTTCTTGCAGCTAGACTCGAAGCCCA
TAAAGAACAGATCATCTTCTTCGGGATATGCTTATGAGAATGTGCCAGCAGCCCGTCTCTACCGAC
GCACCTCTGCCACCATGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC101683 representing YP_001129403
 Red=Cloning sites Green=Tags

MPRMKDIPTKSSPGTDNSEKDEAVIEEDLSLNGQPFFTDNTDGGENEVSWTSSLLSTVYGCQPPAIPVCE
 TVIDL TAPSGAGPGEHLPCSLNAETKFHIPDPSWTL SHTPPRPHISQQLPTRRSKRRLHRKFEERL
 CTKAKQGAGRPVPASVVKVGNITPHYGEELTRGDAVPAAPITPPYPRVQRPAQPTHVLFSPVFVSLKAEV
 CDQSHSPTRKQGRYGRVSSKAYTRQLQQALEEKDAQLCFLAARLEAHKEQIIFLRDMLMRMCQPASPTD
 APLPPC

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_009333

ORF Size: 858 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_001129403](#)
RefSeq ORF: 858 bp
Locus ID: 4961462
UniProt ID: [Q2HR82](#)
MW: 31.6 kDa