

Product datasheet for **VC101684**

K8.1 (NC_009333) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	K8.1 (NC_009333) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	K8.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101684 represents NCBI reference of YP_001129404 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCTCTACCCAGATAAAGACAGAGATCCCCGTGGCATTGCTGATTCTCTGTCTGTGCCTGGTGGCTT
GTCATGCTAATTGTCCAACGTACAGGTCCCATTTGGGATTTTGGCAGGAGGGCTGGTCCGGCCAGGTGTA
TCAGGACTGGTTGGGCCGCATGAACCTGCATACGAAAACATGACCGCACTTGAGGCCGTGTCACCTGAAC
GGGACCCGGCTCGCTGCTGGATCCCCTTCCAGCGAATATCCTAACGTGTCTGTAAGTGTGAGGACACAT
CTGCATCTGGATCAGGGGAAGATGCCATCGACGAGTCAGGCTCCGGTGAAGAGGAGCGGCCAGTGACTAG
CCATGTTACCTTTATGACTCAGTCAGTACAGGCTACGACGGAACCTCACAGATGCCCTCATTAGCGCATT
TCTGGGTCTACTCCTCCGGAGAGCCCAGCCGCAACAAGGATTCGAGTGTACCTGTGGCCGAGAACG
GGAGGAATAGCGGCGCCTTAACCGGGTGCCTTTTAGCGCAACCACCACAACCACAAGGGGCCGCGATGC
TCACTATAACGCGGAAATTCGAACCTCATCTGTACATCCTTTGGGCCGTTGGGTTGTTGTTGGGGCTGTT
CTGATTTGTACCTTTGCGTTCCTAGATGTCGCCGAAGAAGCCCTATATCGTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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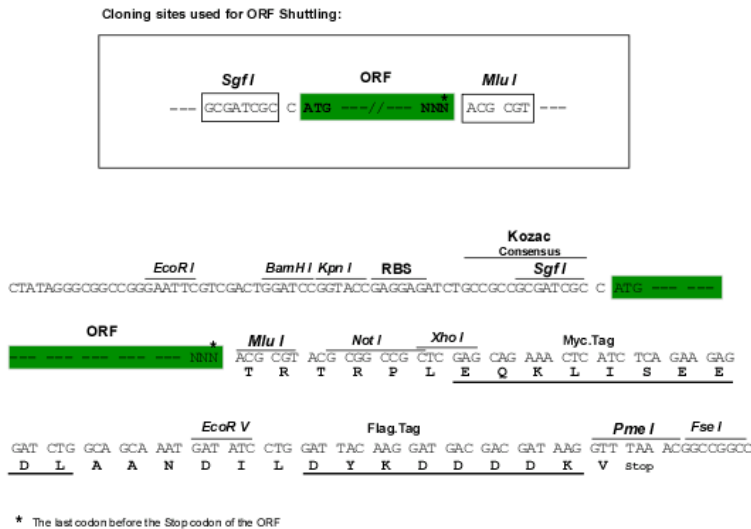
Protein Sequence: >VC101684 representing YP_001129404
 Red=Cloning sites Green=Tags

MSSTQIRTEIPVALLILCLCLVACHANCPTYRSHLGFWQEGWVGQVYQDWLGRMNCSEYENMTALEAVSLN
 GTRLAAGSPSSSEYPNVSVSVEDTSASGSGEDAIDESGSGEEERPVTSHVTFMTQSVQATTELTDALISAF
 SGSYSSGEPSTRTRIRVSPVAENGRNSGASNRVPFSATTTTTRGRDAHYNAEIRTHLYILWAVGLLLGLV
 LILYLCPVRCRRKKPYIV

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_009333

ORF Size: 684 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_001129404](#)
RefSeq ORF: 684 bp
Locus ID: 4961469
UniProt ID: [Q2HR82](#)
MW: 24.8 kDa