

Product datasheet for **VC100238**

33K (AC_000005) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	33K (AC_000005) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	33K
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100238 represents NCBI reference of AP_000125 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCCCAAAGGCCCAAGCAGGCCATTGCCAGCAGAGGAGCAAAAAGCAGCAACAGCGCCAGGAGA
TTTGGGAAGAGGAATCATGGGAATCTCAAGCAGAAGATGAGGTGGAAGATCTGGAAGAATGGGAGGAAGA
GGAAGCCGACTCCCTGGATGAAGACCTGAAGAAGAGGAGGAGGGCAGCAAGGACGGGCCACTGCCGCC
AAACCAAGCCTCAGCACCAAGCCTTCCCCTATGAAGCCAGCCGCTCTCCAAGAGCCAAAAGGCCAACAGGA
GGTGGGACACAATTGAACTTCAGCTGCCAACCTGGCACCCCTTGAAGAGCAGTACACGCAACCCGGCCAGC
CACAGCCAAGAGGCCAACGAGGATCGGGAATAGTAGTAATAAGGAGTCACCTGAGGCCCGGGAAGTGAAG
AAGCGGATCTTCCCCACACTGTACGCCATCTTCCAGCAAAGTAGAGGACAGGAGCACGAGCTTAAGATCA
AGAACCGCAGTCTGCGTCCCTGACGAGGTCTTGCCTCTACCTGAAGTCCGAGGACCAGCTGCAGCGCAC
CCTGCAGGATGCAGAAGCTCTGTCAACAAATACTGCAGCCTCAGCCTTAAGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>VC100238 representing AP_000125 Red=Cloning sites Green=Tags
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MSPKAAKQAIQQRSKKQQRQEIWEEESWESQAEDVEDLEEWEEEEADSLDEDPEEEEEGSKDGATAA
KPSLSTKPSMPKPAVSKSQKANRRWDTIETSAANLAPLKSSTRNRPATAKRPTRIGNSSNKESPEARELR
KRIFPTLYAIFQQSRGQHEHLKIKNRSLSLRSCLYLKSEDQLQRTLQDAEALFNKYCSLSLKE

TRTRRLEQKLISEEDLAANDILDYKDDDDKV



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: AC_000005

ORF Size: 615 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: [AC_000005.1](#), [AP_000125](#)

RefSeq ORF: 615 bp

MW: 23.5 kDa