

Product datasheet for **VC100187**

52K (AC_000018) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	52K (AC_000018) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	52K
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100187 represents NCBI reference of AP_000541 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCACCCTGTGCTGCGCCAGATGAGACCCAGCAGCAGCCTCCATCCCAACAACAGCTGCAGCAGCAAC
CACAAAAGCGCTGCCAGCCCCGTTACCACCGCAGCAGCTGCCGTATCAGGCGCCGCCAGCCAGCTTA
TGACCTGGAGCTGGAAGAAGGAGAAGGACTGGCCAGATTGGGAGCACCATCTCCAGAACGGCACCCGAGA
GTCCAGCTGAAAAAGGATTCTCGCGAGGCATACGTTCCACAACAAAACCTGTTTCAGGGACCGCAGCGGTG
AGGAACCTGAAGAAATGCGCGCAAGTAGGTTCAATGCAGGCAGGAACTCCGGCACGGATTGGATCGGCG
ACGAGTATTGCAGGACGAAGATTTCAAGTGGATGAGGTACCGGGATCTCTCCGCAAGGGCACACGTC
GCCGCCGCAACCTCGTGAGTGCTTACGAGCAAACAGTGAAGGAAGAAAGAAATTTCCAGAAATCATTTA
ATAATCATGTTTCGGACTCATCGCCCGAGAGGAGGTCACTGGGACTGATGCATCTCTGGGACTTGAT
GGAAGCCATTACACAGAACCCTACTAGTAAACCCTCACCGCCAGCTGTTTCTGGTCTGTCAGCATTCC
AGAGACAATGAGGCGTTTAGGGAAGCTTTGCTTAACATTACTGAACCGGACGGCCCTGGCTCTACGACT
TGATTAACATCCTTCAGAGCATTATCGTGCAGGAGAGATCTCTGGGACTGGCTGAGAAGGTAGCCGCCAT
TAACTATTCTGTGCTCAGCCTGGGCAAATACTATGCGAGGAAGATTTACAAGACTCCTTACGTACCCATA
GACAAAGAAGTGAAGATCGATGGTTTTACATGAGAATGACACTGAAGGTCTCACCTGTCCGACGACC
TCGGGGTTTACCGGAACGACAGGATGCATAGGGCTGTAAGCGCCTCCAGGAGCGGGAGCTTAGCGATAG
GGAAGTATGATTCAGTGCAGCGGGCGCTTACCGGTGCCGTACAGACGGTGAAAATTACTTCGACATG
GGTGCCGACTTGCAATGGCAGCCAGCAGGCGGGCTATGGAGGCCGAGGATGCGAACTGCCGTATATAG
AGGAAGTCGACGAAGTGGAGGACGAAGAGGGAGAGTATCTTGAGGAT

ACGCGTACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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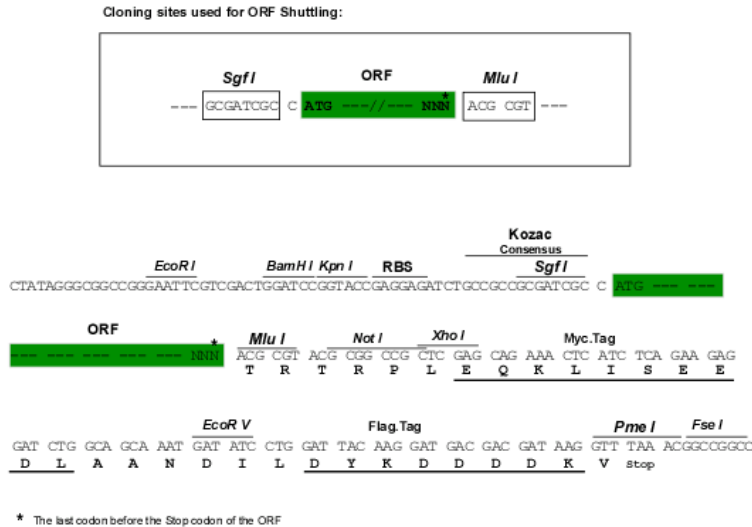
Protein Sequence: >VC100187 representing AP_000541
Red=Cloning sites Green=Tags

MHPVLRQMRPQQPPSQQLQQPQKALPAPVTTAAAASVSGAGQPAYDLEEEGEGLARLGAPSPERHPR
 VQLKKDSREAYVPQQLFRDRSGEPEEMRASRFNAGRELRHGLDRRRLQDEDFEVDEVTGISPRAHV
 AAANLVSAYEQTVKEERNFQKSFNNHVRTLIAREEVTLGLMHLWDLMEAITQNPTSKPLTAQLFLVVQHS
 RDNEAFREALLNITEPDGRWLYDLINILQSIIVQERSLGLAEKVAAINYSVLSLGKYYARKIYKTPYVPI
 DKEVKIDGFYMRMTLKVLTLSDDLGVYRNDRMHRAVSASRRRELSDRELMSLQALRTGAGTDGENYFDM
 GADLQWQPSRRAMEAAGCELPYIEEVDEVEDEEGEYLED

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: AC_000018

ORF Size: 1167 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_000018.1, AP_000541

RefSeq ORF: 1167 bp

MW: 44.3 kDa