

Product datasheet for **VC100669**

1B (NC_009887) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	1B (NC_009887) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	1B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100669 represents NCBI reference of YP_001497164 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCCCTAAGGCAGAGGAGTGTGGATACAGCGATAGAGTGAGAAGTATCACATTGGGCAACTCAACAA
TCACTACTCAGGAGTGCCCAATGTGGTGGTGGGGTACGGTGTGGCCATCTTATCTGGACGACGACGA
GGCAACCGCGGAGGATCAGCCAACCTCAACCCGACGTAGCCACATGCAGATTTTACACCCTTGAAAAGTGTG
CAATGGGAAACCGGATCAGACGGCTGGTGGTGAAGTCCAGACATGCTGAAAAATATGGGACTTTTG
GCCAAAACATGCATTACCATTACCTTGAAGAAGCGGCTACACTATTCAGTTCAATGCAATGCAAGCAA
ATTCCACCAGGGATGTGTGCTGGTGGTTTGCCTCCCGAGGCGGAGATGGTTGTGCGCAAACCTGACTCT
ACGTTTCGAACATACAGAGCTTACAAAACAGGAGGAGCCATTTAAGTTTACTTCTACCCCGACAAGCGGAA
AAGTGGTACAAGCCGCGTGTGTAATGCCGCTATGGGGTGGGCGTGGGCAACCTGACCATATCCACACA
CCAGTGGATCAACCTGAGAACTAATAATTCAGCTACAATAGTGATGCCTTATATAAATTCAGTTCCAATG
GATAACATGTTTAGACACTATACTTACCCTTATGATCATCCCATTGACCCCTGAAGTATCAACCCG
GTGCCACTCCGTACGTCCAATCAGGTGACCGTTGCCCGATGTGTGCAGAATACAATGGGCTCCGCT
CGCATCTAAACAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >VC100669 representing YP_001497164
 Red=Cloning sites Green=Tags

MSPKAEECGYSDRVRSITLGNSTITTQECANVVVGYGVWPSYLDDEATAEDQPTQPDVATCRFYLTLESV
 QWETGSDGWWWKFPDMLKNMGLFGQNMHYHYLGRSGYTIHVQCNAKSFHQGCVLVVCVPEAEMGCAQTDS
 TFEHTELTQKEEPFKFTSTPTSGKVVQAAVCNAAMGVGVGNLTFPHQWINLRTNNSATIVMPYINSVPM
 DNMFRRHYNFTLMIIPFAPLKYQPGATPYVPITVTVAPMCAEYNGRLRLASKQ

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_009887

ORF Size: 783 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_009887.1, YP_001497164
RefSeq ORF: 783 bp
MW: 29.1 kDa