

Product datasheet for **VC100698**

2C (NC_014336) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	2C (NC_014336) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	2C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100698 represents NCBI reference of YP_003795181 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCGACTCTTGATGAAGAAGTTCAGTGACGCTTGTAAACGCCGCTAAAGGCCTGGAGTGGATCTCCC
AAAAGATAGGTAATTTATTGATTGGATCAAGACAAAAATCCTTCCTGAGGCTCAGGACAAGGTGGAATA
CCTGAGCAAACCTGAAGCACCTGGACACTCTGGAGAATCAAGTGACCACTCTCCATCAGAGTTGCCCTCC
CAGGAGGATCAGGAGACGCTCTCAATAACATTAGGTGGCTTGCCATAAAGGCCAGAAAGTTTGCCCTC
TGTACGCTAGCGAGGCACGCCGAATCTTTAAGATGGAATCAACTATCAACAATTACATTCAATTTAAGAC
CAAGCACCGCATCGAACCTGTTTGTCTTTTATCCACGGCACCCCGGAACAGGAAAGTCTATCGCCACA
GGACTGATTGGTAGAGCAATAGCAAAGCAGGCTAACACGAGCACATATCCCTCCCTCCTGATCCGAGTC
ACTTTGATGGATACAAACAGCAGGGCGTGGTATTATGGATGACCTCAATCAGAACCCTGATGGGGAAGA
CATGAAGCTGTTTGTGATGAGTGGTCAAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT
GGAATCCTGTTTACAAGTATTACGTTTGGCTAGCACCAACAGCTACACTATAAGCCCTCCAACAATCT
CCGCTCTGATGCACTGGCGCGCGGTTTGCCTTCGACGTAGACTTCGAGGTAATGTCTCAGTACAATAA
TAAGGGGCACCTGAACATGGCAACGGCAACTAAGGCCTGTACAGACTGTCATAAACCTGCCAATTTCACT
TCTTGCTGCTCTTGTCTGCGGAAAGCAATCCAATTTGTGGACAAAATGACTAGAACCCTGCTACTG
TCGACGAAGTACTACATTGATTGTTAATGAGAGAAACCGAAGGTACAATATTGGGAATTGTCTGGAGGC
CCTTTTTCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC100698 representing YP_003795181
 Red=Cloning sites Green=Tags

MGDSWMKKFSDACNAAKGLEWISQKIGKFDWIKTKILPEAQDKVEYLSKPKHLDLTLENQVTTLHQSCPS
 QEDQETLFNNIRWLAIKARKFAPLYASEARRIFKMESTINNYIQFKTKHRIEPCVLLIHGTPGTGKSIAT
 GLIGRAIAKQANTSTYSLPPDP SHFDGYKQGGVIMDDL NQNP DGEDMKLFCQM VSTVEFVPPMASLEEK
 GILFTSDYV LASTNSYTI SPPTISASDALARRFAFDVDFEVMSQYNNKGHLNMATATKACTDCHKPANFS
 SCCPLVCGKAIQFVDMTRTRYTVDELTTLIVNERNRRYINIGNCLEALFQ

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_014336

ORF Size: 990 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_014336.1](#), [YP_003795181](#)
RefSeq ORF: 990 bp
MW: 37.2 kDa