

Product datasheet for **VC100722**

2C (NC_001612) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	2C (NC_001612) 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 VC100722 represents NCBI reference of NP_740532 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCGCCAGTTGGTTGAAGAAGTTTAAATGATATGGCTAATGCCGCCAAGGGTCTGGAGTGGATCTCTA
ACAAAACTCCAAGTTTATCGACTGGCTGAAGGAAAAATAATCCCCGCTGCTAAAGAGAAGGTAGAGTT
CCTGAATAACCTGAAGCAGCTTCCCCTGCTGGAGAACCAATTTCAAACCTGGAACAGAGCGCGCCTCA
CAGGAGGATCTGGAGGCTATGTTTCGAAACGTGAGCTACCTCGCGCACTTTTGCCGAAATTCAGCCCC
TCTATGCCACCGAAGCCAAAAGAGTTTACGCTCTGGAAAAGCGCATGAACAATAATATGCAGTTCAAATC
CAAACACCGGATCGAGCCTGTTTGCCTGATTATCAGGGGAAGTCCTGGAACGGTAAATCATTGGCCACA
GGAATTATAGCTAGAGCTATTGCCGATAAGTACCATTCAAGTGTCTATAGCCTTCCACCGGATCCCGACC
ACTTTGACGGCTATAAACAACAGGTGGTAACAGTCATGGACGATCTTTGCCAGAATCCTGACGGCAAAGA
CATGAGTCTGTTTGTGATGTTTCCACTGTGGATTTATCCCGCGATGGCGTCCCTGGAGGAGAAG
GGTGTGCATTTACTAGCAAGTTTGTGATAGCCTCCACCAACGCCAGCAACATCATCGTACCCACAGTTA
GTGACTCAGACGCCATCCGCCGGGATTTATATGGACTGTGACATTGAGGTACCGACAGTTACAAGAC
CGACTTGGGGCGCCTCGATGCGGGCCGGCCGCTAGACTGTGTAGTGAGAATAATACGGCAACTTCAA
CGGTGTTCAACCCCTGTTTGTGGCAAGGCTATTACAGTGAAGGACAGAAAGAGTAAAGTGCGATACTCCG
TTGATACCGTGGTATCTGAGCTGATTAGAGAGTACAATAATAGATACGCTATTGGTAATACAATAGAAGC
CCTCTCCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC100722 representing NP_740532
Red=Cloning sites Green=Tags

MSASWLKKFNDMANAAKLEWISNKISKFIDWLKEKIIPAAKEKVEFLNNLKQLPLENQISNLEQSAAS
 QEDLEAMFGNVSYLAFHFCRKFQPLYATEAKRVYALEKRMNNYMQFKSKHRIEPVCLIIIRGSPGTGKSLAT
 GIARAIAADKYHSSVYSLPPDPDHFHDGYKQQVVTVMDDLQONPDGKMSLFCQMVSTVDFIPPMASLEEK
 GVSFTSKFVIASSTNASNIIVPTVSDSDAIRRRFYMDCDIEVTDSYKTDLGRDLAGRAARLCSENNNTANFK
 RCSPLVCGKAIQLRDRKSKVRYSVDTVSELIREYNNRYAIGNTIEALFQ

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001612

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_001612.1](#), [NP_740532](#)
RefSeq ORF: 990 bp
MW: 37.3 kDa