

Product datasheet for **VC100746**

2C protein (NC_001428) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	2C protein (NC_001428) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	2C protein
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100746 represents NCBI reference of NP_740589 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGAGACGGGTGGATGAAGAAATTCACAGAGGCCTGCAATGCTGCCAAGGGCCTGAGATGGGTGTCCA
ATAAAATCTCAAATTTGTGGACTGGCTGAAGTGTAAAATAATCCAGAAGCGAAGGACAAAGTGGAAAT
CCTTACAAAGCTCAAGCAACTGGATATGCTGGAGAATCAGATCGCGACTATCCACCAGAGTTGCCCATCA
CAGGAACAACAAGAAATCTCTTCAACAACGTGCGGTGGCTGGTGTTCAGAGCCGGAGGTTTGTCTCCTC
TTTATGCTGTTGAAGCCAGACGGATAAGCAAGATGGAGAGCACCATCAATAATTATATTCAGTTCAAATC
CAAACATCGCATTGAGCCGGTATGCATGTTGGTACACGGCTCACCTGGGACTGGGAAAGGTATAGCCAGC
TCCCTGATTGGGAGGGCCATCGCTGAGCGCGAAACCACCTCCGTCTACTCCGTACCTCTCGCCCCCTCTC
ACTTCGATGGCTATAAGCAACAAGGTTACGACATGGACGACTTGAACCAGAACCCTGATGGTATGGATAT
GAAGCTGTTCTGCCAGATGGTAAGCACCGTCGAGTTTATCCCTCCCATGGCATCACTCGAAGAAAAAGGC
ATATTGTTTACAAGCGACTATGTGCTCGCTCCACAAATAGCCATTCAATCGCGCTCCCACCGTCGCC
ACTCCGATGCACTACAAGGCGTTTCGCGTTCGACGTAGAGGTTTACACCATGTCTGAACATAGTGTAAA
AGGTAAGCTCAACATGGCGACCGCCACACAGCTCTGTAAGGACTGTCCTACTCCAGTAATTTCAAAAAG
TGCTGCCCCCTTGTGTGCGGCAAGGCACTGCAGCTGATGGATCGCTACACAAGACAGCGGTTTACCGTGG
ATGAAATTACAACACTGATCATGAACGAGAAGAATCGGCGAGCAAATATTGGAACTGTATGGAAGCTTT
GTTCCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC100746 representing NP_740589
Red=Cloning sites Green=Tags

MGDGMKKFTEACNAAGLRWVSNKISKFVDWLKCKIPEAKDKVEFLTKLKQLDMLNQTATIHQSCPS
 QEQQEILFNNVRLAVQSRRAFPLYAVEARRISKMESTINNYIQFKSKHRIEPCMLVHGSPGTGKGIAS
 SLIGRAIAERETTSVYSVPLAPSHFDGYKQQGYDMDLLNQNPDGMKMLFCQMVSTVEFIPPMASLEEK
 ILFTSDYVLASTNSHSIAPPTVAHSDALTRRFADFVEVYTMSEHSYKGLNMMATATQLCKDCPTPANFKK
 CCPVLVCGKALQLMDRYTRQRFVDEITTLIMNEKNRRANIGNCMEALFQ

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001428

ORF Size: 987 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_001428.1](#), [NP_740589](#)
RefSeq ORF: 987 bp
MW: 37.2 kDa