

Product datasheet for VC102112

2C (P2-C) (NC_001490) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	2C (P2-C) (NC_001490) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	2C (P2-C)
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC102112 represents NCBI reference of NP_740521 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCAACGATGGATGGTTCCGGAAGTTCAACGATGCATGCAATGCCGCCAAAGGGCTGGAATGGATTG
CCAACAAAATTAGCAAATCATCGAGTGGATAAAAAACAAAGTACTGCCACAGGCAAAGGAGAACTCGA
GTTCTGTTCCAACTTAAACAGCTGGATATTCTCGAAAGACAGATCACTACCATGCACATATCCAACCCA
ACGCAGGAAAAGCGAGAACAGCTTTTCAACAATGTGCTCTGGCTTGAACAGATGTCTCAAAAATTCGCAC
CTTTCTATGCAGTCGAAAGCAAACGCATCCGAGAGCTGAAGAACAAGATGGTGAACACTACATGCAATTTAA
ATCCAAGCAGCGGACCGAGCCGGTGTGCGTCTCATAACGCGGACACCAGGGTCCGGTAAATCTCTCACT
ACCTCCATCGTGGGTCGCGCAATCGCTGAGCACTTTAATTCGCCGCTCTACTCTCTGCCGCCGACCCCA
AGCACTTTGATGGCTACCAGCAGCAAGAAGTTGTTATTATGGACGACCTCAACCAGAATCCCGATGGTCA
GGATATCAGTATGTTCTGCCAGATGGTGTCTCCGTGGACTTCTGCCCCCTATGGCTTCTCTCGACAAT
AAGGGGATGCTGTTACCAGTAACCTCGTCTGGCTTCCACCAACAGTAATACACTGAGTCCACCCACCA
TCCTGAACCCGGAGGCCCTGGTGAACGATTTGGATTTGACCTGGATATCTGTCTCCACACAACCTACAC
CAAGAATGGTAACTGAACGCCGCATGTCCACAAGACCTGTAAGGATTGTCATCAACCCTCTAATTTT
AAGAAATGTTGCCCTCTGGTATCGCGGAAGGCTATTTCCCTCGTGGATAGGACCACAACGTCAGATACT
CAGTTGACCAGCTCGTACTGCGATCATCTCCGACTTTAAGTCCAAAATGCAGATCACCGACTCTCTCGA
GACCCTGTTCCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC102112 representing NP_740521
Red=Cloning sites Green=Tags

MANDGWFRKFNDACNAAKGLEWIANKISKLIIEWIKNKVLPQAKEKLEFCSKQKLDILERQITTMHISNP
 TQEKREQLFNNVLWLEQMSQKFAFFYAVESKRIRELKNKMVNYMQFKSKQRTEPVCVLIHGTPGSGKSLT
 TSIVGRAIAEHFN SAVYSLPPDPKHFDDGYQQQEVVIMDDL NQNPDGQDISMFCQMVSSVDFLPPMASLDN
 KGMLFTSNFVLASTNSNTLSPPTILNPEALVRRFGFDLDICLHTTYTKNGKLNAGMSTKTCKDCHQPSNF
 KKCCPLVCGKAISLVDRRTNVRYSVDQLVTAIISDFKSKMQITDSLETLFQ

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_001490

ORF Size: 993 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_001490.1, NP_740521
RefSeq ORF: 993 bp
MW: 37.5 kDa