

## Product datasheet for **VC102043**

### C' (NC\_003461) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	C' (NC_003461) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C'
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC102043 represents NCBI reference of NP_604434 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGGACACTAGCGCCTCCAAGACCCTCCTTCCAGAGTGGATACGCATGCCTAGCTTTCTCAGAGGGATCC  
TCAAACCAAGGAGCGCCATCACGAAAAAAGAACCCTCACAGATGTCCTCAGATTCAGTCCAGTCCAG  
CTACCTACCTCCTCAGAACTGGAGAAGACTGAGCCGGGAGCATGGTTAGCTCCACCACCCAGAAG  
AAGACATCACACCAGCCAAGCCACTATTACCACCAAGACAGAACAATCTCAGCGCCGCCGAAAATTA  
TAGATCAGGTGCGGGGGTAGAATCACTGGGTGAACAAGTTTCCAGAAGCAGAGGCACATGCTCGAGAG  
CCTCATTAACAAAAGTATACACCGTCTCTGGGGAGGAGCTGGTCCAAACCTTTACCTCAGAATATGG  
GCTATGAAGGAGACCCAGAAAAGTACTAAAATCCTCAAATGCGCGAAGATATTAGGGATCAGTACCTGC  
GGATGAAGACAGAGCGTGGCTTCTGAACTCTGATAAGGGGGAAAAAGACAAAGCTCAGGGATTTTCAGAA  
GCGCTATGAGGAAGTGCATCCCTACCTGATGATGGAGCGCGTGGAAACAGATAATTATGGAAGAGGCTGG  
AAACTCGCTGCCACATTGTCCAGGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC102043 representing NP\_604434  
 Red=Cloning sites Green=Tags

MDTSASKTLLPEWIRMPNFLRGLKPKERHHENKNHSQMSDDL TSSYPTSPQKLEKTEAGSMVSSTTQK  
 KTSHHAKPTITTKTEQSQRPKIIDQVRGVEESLGEQVSQKQRHMLESINKVYTGPLGEELVQTLYLRIW  
 AMKETPESTKILQMREDIRDQYLRMKTERWLR LIRGKTKLRDFQKRYEEVHPYLLMERVEQIIMEEAW  
 KLAAHIVQE

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_003461

**ORF Size:** 657 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\_003461.1, NP\_604434  
RefSeq ORF: 657 bp  
Locus ID: 935259  
MW: 25.8 kDa