

Product datasheet for **VC102176**

protein 3C (NC_010810) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	protein 3C (NC_010810) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	protein 3C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC102176 represents NCBI reference of YP_001950231 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGGCGGTGGGAAAATCGTGCCACAGGCGGGCAACCAATCATGGACTACGAGGTGAACATCGCCAAGA
ATATGGTCACACCCATCACCTTTTTCTACGCCGATAAGGCCAGGTGACTCAATCATGTCTGCTCGTCAA
GGGGCACCTGTTTGTGTCAACCGCCACGTCGCCGAAACAGATTGGTGCGCATTGAGTTGAGGGGAACC
AGACACGAGCGAGACAGCTACAATGCGCTCTATCAATAAAAGCGGGATGGAGGTCGACCTCACCTTTG
TAAAAGTGGTCAAGGGACCTTTGTTTAAAGATAACTCAAGGAAGTTCTGCAGCAAGGACGACGACTTCCC
CGCTAGAAACGAGACTGTTACTGGAATCATGAACACCGGGTCCCTTTTGTATTTACAGGAAAATTTCTG
GTTGGCAATCAGCCAGTTAACACAACCACAGGAGCCTGCTTTAATCATTGTATTCACTACCGGGCTACTA
CACACAGAGGATGGTGCGGTTCCGCCCTCATATGTCATGTTAATGGAAAGAAGGCAGTCTATGCCATGCA
CAGTGCCGCGGAGGAGGAATGGCTGCTGCAACCATAATTACCCAGGAAATGATTGAGGCAGCCGAGAAG
GCCCTGGACTGCCTGATCCACAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC102176 representing YP_001950231
Red=Cloning sites Green=Tags

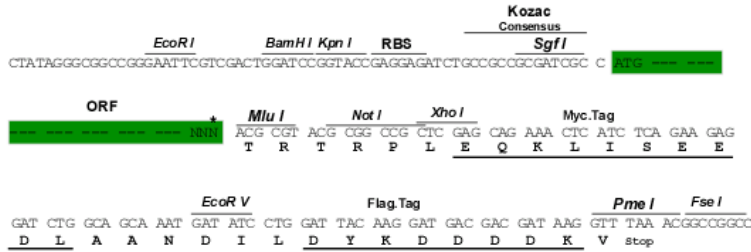
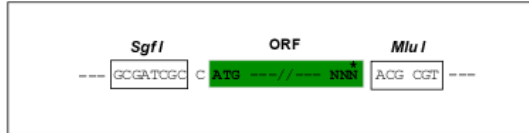
MGGGKIVAQAGNPIMDYEVNIAKNMVTPIFFYADKAQVTQSCLLVKGHLFVVNRHVAETDWCAPFELRGT
RHERDSVQMRSINKSGMEVDLTFVKVKVGPLFKDNSRFCSKDDDFPARNETVTGIMNTGVPFVFTGKFL
VGNQPVNTTGGACFNHCIHYRATTHRWCWSALICHVNGKKAVYAMHSAGGGGMAAATIITQEMIEAAEK
ALDCLIPQ

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_010810

ORF Size: 654 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_010810.1, YP_001950231
RefSeq ORF: 654 bp
MW: 23.8 kDa