

Product datasheet for **VC100638**

3C (NC_012802) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	3C (NC_012802) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	3C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100638 represents NCBI reference of YP_002956125 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGACCTGATTTGAGAGATCTGGTGACCTTCTTTAATGCCGCCGAGGGGCACAGTGGATGGTTGACT
CCATAAGAGGCCCTGATCTCTGGATCAAGCAGTGGCTGGAGCTGGAAGAGGCTAACGAGGCCGTCCAGTT
CGAACGGCTCTTGATCGAATCACCAAGCACTGTAAGCTATTAACGACTATAACGTTGGGAAATCATTTC
ATTAGGCCGAGAATTCATTTGATTTTATGGAGAAGCTGGTCGACTCAGCCACCAAGCTGGGGAAGGTGA
ATATTGCAGGATACTTTTCGGTCTTTTACCTCCGTCGATACAGATACCGCTCGGATGGAGCCAGTCGTTCT
GGTTTTGCGCGGAAAACCCGGAGCCGGGAAGAGTGCCGCCGCTACTATTATCACAGCCGCCGTAAGTAAA
ATCTTGACCGGCACAAAAGCGTGTACTCCCTGTACCCGATACCGAACATATGGATGGATACCACGGTC
AGTTTGCCATGATCATGGATGACCTGGGTGAGAATCCCGATGGGGAGGATTTTCGGACGTTTTGCCAGAT
GATCTCCGTCGCTCAGTATAGACCCTCAATGGCCGATCTGAAGGATAAGGGTATCCTGTTTAAATCCCAA
TTTATCGTGGCCACTACAACTGCCGGAGTTCAGGCCACTGACCGTGAGTGACCGAGGGGCCGTCGACC
GCCGAATCACATTTGATATCGGAGTCAACCCAGGAACTGCGGTTACAAAAACGGTAAGCTGGATCTGGC
CATGGCTCTTAAACCCGACGGGAAGGAGATTCCTACTCCTCGGATTGTCAGATCTGCACACAACG
GGCTGGCCCTTCAAACCTGCGCACCCGCAAAACCATGAATATCAAAGAGCTTGTGGACCTCATTGTCA
AAAAGATCAAATCTAAAAGGACGACATCTGGGATGCTGGAGGTTTGGTGGTACAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC100638 representing YP_002956125
 Red=Cloning sites Green=Tags

MGPLRDLVTFNARGAQWVDSIRGLISWIKQWLEEEANEAVQFERLLIESPKHCKAINDYVNGKSF
 IRPENSFDFMEKLVDSATKLGKVNIAGYFRSFTSVDTDTARMEPVVLVLRGKPGAGKSAATIITAAVSK
 ILTGTQSVYSLSPDTEHMDGYHGQFAMIMDDLQNPDGEDFRFCQMI SVAQYRPSMADLKDKGILFKSQ
 FIVATTNLP EFRPLTVSDRGAVDRRITFDIGVTPGTAVTKNGKLDLAMLKPDGEGEFPYSCDCQILHTT
 GLALQNLRTGKTMNIKELVDLIVKKIKSKRTTSGMLEGLVVQ

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_012802

ORF Size: 966 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_012802.1, YP_002956125
RefSeq ORF: 966 bp
MW: 35.6 kDa