

## Product datasheet for **VC102160**

### pro (NC\_011800) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	pro (NC_011800) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	pro
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC102160 represents NCBI reference of YP_00245785 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGAGTGGGCAATACCTCTGGAAGCAAGACTCCCACCAGCCAAGAACCCCGCCGGTGAAGGCGCACCC  
CCCCTTCAGGCTTTCATGCCCTTCACCTGGTGGAAAAAGCTCCCGGGGGAGGTGAAGTGGTGGTCC  
CAGACCAGGGAACGTCCCAGCCTGCTCCCTTTGGTTTCTTTTGGCAGGCCAGCAATCCCTGCTCAAT  
ATCAAAGTGTCTTTTTCGATCGCCCCCTCTTGCTAGCCAAGCCCTGCTCGATACTGGCGTGGGTTGA  
CGGTGATGCCACAGGTGTTGGCGGGGGTCTTACAGATCTCCAGGACACGACAATCCTGGGTGCCGGCGG  
AAAGACGCACAGCCAATCAAACCTCGCATGCCCGGTCCATGTATATTTGCCATTTCCCGCGCTCCC  
GTCTCTCTCCCTAGCTGTCTCATCGATACAAAAATGAGTGGACTATTATAGGCAGGGATGTGTTGCAAC  
AGTGTCCAGGGGGCGCTCTATCTTCTGAAGACCTGCCAGCACCCACAACTGAGTCCTGTGACGACTCC  
TGCTGTAATTGGCCTTGAGCACCTGCCGAACCGCCGAGGTGAGCCAGTCCCCTGAACTGAACGCG  
AGTCGCCCA

**ACGCGT**ACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC102160 representing YP\_002455785  
 Red=Cloning sites Green=Tags

MSGPIPLEARLPKAPNPAGGRTPPSGFACPSGGKKLPRGGELVSPRPGNVPSLLPLVSLWQAQQSLLN  
 IKVSFFDRPPLASQALLDTGAGLTVMPQVLARGLTDLQDTTILGAGGKTHSQFKLLRCPVHVYLPFRRAP  
 VSLPSCSIDTKNEWTIIIGRDVLQCCQALYLPEDLPAPTQLSPVTTPAVIGLEHLPEPPEVSQFPLNLNA  
 SRP

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_011800

**ORF Size:** 639 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\_011800.1, YP\_002455785  
RefSeq ORF: 639 bp  
Locus ID: 7205456  
MW: 22.7 kDa