

## Product datasheet for **VC102162**

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

#### Product data:

Product Type:	Expression Plasmids
Product Name:	env (NC_011800) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	env
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>The Viral ORF clone VC102162 represents NCBI reference of YP\_002455789 with codon optimized for human cell expression  
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGAAATGTGTGTTTCTCACACTCCTCGAACACTTGGCATCCCCGTGCTGCAGGCTAGCAGATGTA  
 CGATCACCGTGGGAATTAGCTCCTACCATTCTTACCATGTAGCCCTGCACAGCCGCTCTGCACTTGGGC  
 ACTGGACCTCGTTTCAATTAATAAGACCAGCTCCTCTATCCCCCATGTCAGAATTTGATTACATATTCA  
 AATTACCATAAAACCTATTCTTGTATCTTCCCCCACTGGGTGCAAAAGCCACTGAGAAGAGGTCTCG  
 GCTATTATAGCGCATCTATTCCGACCCTTGTCTCTGCAATGTCCTACCTGGGTAGTCAAAGCTGGAC  
 CTGTCTTATACAGGCCCTGTGCCAGTCTACCTGGAGGTTTTCAACCGATGTGAATTTACACAAGAA  
 GTGAGCCGCTCTCCCTAAGCTCCATTTAGTAATGCGGGAGCTCACTTACCCTTTTGTATCGACGCAC  
 CAGGGTACGACCCACTGTGGTACCTGACATCAGAACCCACCCAGGAACCCACACCCGCCACCTTTGGT  
 TTCTGACAGTGACCTCGAGCATGTATTGACTCCCTCTGCATCCTGGGCTTCTAAAATGCTCACCCGATT  
 CATCTTACTCTGCAGAGTACTAATTACAGCTGCATGGTCTGTATCGATCGGGCATCTCTCCAGCTGGC  
 ACGTGTCTATACACCTAACATTTCTCTAACGCTCCTAGCAAACCAATTGTTAGACCATCCCTGGCACT  
 CAGCGCTCCTCGCCCGCAACCCCTTCCCTGGACGCACTGCTACCAGCCACAGGTGCAAGCCGTCACCACC  
 GCAAAATGTAACAATAGCATCATACTTCCCCATTAGTCTCTCCCCTCTCCAGGCGCTCCGCTGACAC  
 GCCGCGGAGAGCTGTGCCCGTAGCTGTATGGCTGTGAGCGCACTCGCAGCAGGCACCGGAATCGCCGG  
 CGGTGTTACAGGATCCCTTCCCTGGCCAGTTCAGAAGCCTTCTGTGAGAAGTGACAAGGACATCAGT  
 CACTTGACGAGGCAATTGTGAAGAACCACAGAATATCCTCAGGGTCTGCTCAGTACGCGCCAGAAATC  
 GCCGGGACTGGACCTTCTGTTTTGGGAACAGGGAGGCCTGTGTAAGCAATCCAAGAGCAGTGTGTTTT  
 TCTGAACATTTCAAACTCACATAAGCGTGTGCAAGAGAGACCACCCCTTGAACACGGGTGACTACG  
 GGCTGGGCGCTGAACTGGGACTTGGGTCTTAGCCAATGGCAAGGGAAGCCTTGCAGACCGGGATTACTC  
 TGTTGGCCCTGTTGCTGCTGATCATCATCTTGGTCCGTGCATTATAAGGCAGCTCCAGGCCCTGCCCA  
 GAGACTGCAGCAGAGACCGGATCAGTATCCCCTTCTTAACCCAGAAACACCCCTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC102162 representing YP\_002455789  
 Red=Cloning sites Green=Tags

MGNVFLTLLATLGIPLVQASRCTITVGISSYHSSPCSPAQPLCTWALDLVSITKDQLLYPPCQNLITYS  
 NYHKTYSLYLFPHWVQKPLRRGLGYYSASYSRPCSLQCPYLGSSQSWTCPYTGVPVSSPTWRFSTDVNFQE  
 VSRVSLKLFHFKGSSLLTLLIDAPGYDPLWYLTSEPTQEPPPTPPPLVSDSDLEHVLTPSASWASKMLTLI  
 HLTLQSTNYSCMVICDRASLSSWHVLYTPNISSNAPSKPIVRPSLALAPRPQPFPTHYQPVQAVTT  
 AKCNNSIILPPFSLSPGAPLRRRRVAVVWLVSALAAGTGIAGGVTGSLSLASSRLLSEVDKDIS  
 HLTRAIVKNHQNILRVAQYAAQNRRLDLLFWEQGLCKAIQECCFLNISNTHISVLQERPPLETRVTT  
 GWGLNWDLGLSQWAREALQTGITLLALLLLIIILGPCIIRQLQALPQRLQRPDQYPLLNPEPL

**TR**TRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



ACCN: NC\_011800

ORF Size: 1455 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\\_002455789](#)

RefSeq ORF: 1455 bp

Locus ID: 7205459

MW: 53.5 kDa