

## Product datasheet for **VC101749**

### env polyprotein (NC\_001722) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	env polyprotein (NC_001722) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	env polyprotein
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide  
Sequence:

>The Viral ORF clone VC101749 represents NCBI reference of NP\_056844 with codon optimized for human cell expression

Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGAGCCAGGACGAAATCAATTGTTCTGTCATTCTGCTCACCTCTGCATGTCTGGTATATTGCTCAC  
AGTACGTGACCGTGTATGGAATCCCGCATGGAAAAATGCCTCCATCCCCTCTTTGTGCAACCAA  
AAATAGAGATACTGGGGTACAATCCAATGCCTGCCGATAACGACGACTACCAGGAGATAATACTGAAT  
GTGACCGAGGCATTGACGCCTGGAACAACACAGTCACAGAACAGGCCGTCGAGGACGTATGGCACCTCT  
TCGAAACTTCCATAAAGCCTTGCCTGAAGCTGACACCTCTGTGTGGCTATGAACTGTTCCCGGGTGCA  
AGGCAATACCACAACGCCAATCCACGCCTTCATCTTACAACCTCAAGACCTCCAACCTCAGCCGCC  
TCCATCATTAAATGAGACAAGTAAGTGCATCGAAAATAACACTTGCAGGGGCTGGGGTATGAAGAGATGA  
TGCAGTGTGAGTTCAATATGAAAGGCCTTGCAGCAGGACAAAAGAGAAGATACAAGGACACCTGGTACCT  
TGAAGACGTCTGTGCGATAACACCACTGCCGGAACATGTTACATGAGACACTGTAACACCTCCATTATC  
AAAGAGTCATGCGATAAGCACTATTGGGACCCATGCGGTTTAGTACTGTGCACACCAGGGTTCGCAC  
TGCTGCGATGCAACGATACAACTACTCAGGATTCGAACCTAAGTGTACTAAAGTCGTGGCTGCTTCCTG  
CACCAGGATGATGGAGACACAACTCCACATGGTTCGGCTTCAACGGCACTAGAGCTGAAAACAGGACA  
TATATCTATTGGCAGGGCGAGACAACAGAACAATTATCAGTTTGAATAAGTACTATAATCTGACGATGA  
GATGCAAGCGCCTGGCAACAAGACTGTGCTCCCATCACTTTGATGTGAGGCTGGTATTCATAGCCA  
GCCAATTAACACTAGACCCAGACAGGCCGTGGTGCAGATTTGGTGGGAGGTGGCGAGAGCCGATGACAGG  
GTGAAACAGACCTTGGTCCAACATCCTCGGTACAAGGGATAAATGATACAGGAAAAATCAATTTACCA  
AGCCAGGCGCAGGTAGTGATCCGGAAGTGGCCTTCATGTGGACAACTGCAGAGGCGAATTCCTGTATTG  
CAATATGACATGTTTTCTGAATTGGGTGCAAGACAAGAACCAGACCCAGGAGAAATTAAGTCCACATTAAG  
CAGATCATTAACTTGGCATAAGGTTGGCAAGAAGCTGTACCTTCCACCCCGGAAGGAGAACTTGCCT  
GCGAGAGTACCGTACCTCCATTATCGCCAACATCGATATCGATAAAAAATCGGACACACACAAACATTAC  
CTTCTCTGAGAGGTGGCGAGCTTTACAGACTGGAAGTGGTGATTACAAGCTGATCGAAATTACACCA  
ATCGGATTTGCCCTACAGACCAGAGGAGATACAGTAGCACTCCCGTCCGCAACAAGAGAGGTGTGTTG  
TCCTGGGCTTCTGGGATTCCTCGCTACAGCCGCGAGCGCTATGGGTGCTCGATCTGACTCTGTCTGC  
CCAGAGCAGGACCTTGCCTGAGGAATCGTACAACAACAGCAGCAGCTTCTTGACGTAGTTAAGCGACAG  
CAGGAGATGCTGCGCCTCACTGTCTGGGGACAAAAATCTTCAGGCCAGAGTAACAGCCATTGAAAAAT  
ATCTGAAACACCAGGCACAGTTGAACAGTTGGGGCTGTGCTTTAGACAGGTTTGCACACAACGGTACC  
ATGGGTGAACGATTCCCTGAGCCAGATTGAAAAATATGACTTGGCAAGAGTGGGAGAAACAAGTGCAG  
TATTTGGAGGCTAATATCTCACAGTCTCTGGAAGAGGCACAGATCCAACAGGAGAAGAATATGTACGAGC  
TGCAGAAGCTGAATAGCTGGGACATCCTGGGAACTGGTTTATCTCACTAGTTGGGTCAAGTACATCCA  
GTATGGGGTGCACATCGTCGTCGGCATTATTGCCCTCCGATCGCAATCTACGTAGTCAACTTCTTAGC  
AGATTCGAAAAGGCTACAGACCAGTTTTAGTTCTCTCCCGGATACCTGCAACAGATTACATCCATA  
AGGACCCGGCCAGCCAGCGAACGAAGGCACTGAGGAGGATGTAGTGGAGACTTGGCTATGATCTCTG  
GCCCTGGCCCATCAATATGTGCAATTCCTGATTCATCTCCTGACTCGCTGCTCATCGGCTGTACAAC  
ATTTGTGGGATCTGCTGTCCAAGAAGCAGTCCAACCCGCGGTTGATCTCACAGACCTGACCGCTATCA  
GGGATTGGCTTAGGTTGAAGCCGACAGCTGCAGTACGGCTGCGAGTGGATACAGGAGGCTTTCCAAGC  
CTTCGCTAGGACCACCCGGGAGACTTTGGCTGGCGCATGGGGTGGCTGTGGGAGCGGCACGCAGAATT  
GGGAGGGCATCCTCGCTGTGCCAAGGCGCATTGCCAGGGCGCAGAATTGGCTTTGCTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >VC101749 representing NP\_056844  
 Red=Cloning sites Green=Tags

MEPGRNQLFVVILLTSACLVYCSQYVTVFYGIPAWKNASIPLFCA TKNRDTWGTIQCLPDNDYQEIILN  
 VTEAFDAWNNTVTEQAVEDVWHLFETS IKPCVKLTPLCVAMNCSRVOGNTTTPNPRTSSSTSRPPTSAA  
 SIINETSNCIENNTCAGLGYEEMMQCEFNMGLEQDKKRRYKDTWYLEDVVC DNTTAGTCYMRHCNTSII  
 KESCDKHYWDAMRFRYCAPPGFALLRCNDTNYSGFEPKCTKVVAASCTRM METQTSTWFGFNGTRAENRT  
 YIYWHGRDNRTIISLNKYNLTMRCKRPGNKTVLPITLMSGLVFHSQPINTRPRQAWCRFGGRWREAMQE  
 VKQTLVQHPRYKGINDTGKINFTKPGAGSDPEVAFMWTNCRGFLYCNMTWFLNWVEDKNQTRRNYCHIK  
 QIINTWHKVGKNVYLPREGELACESTVTSIIANIDIDKNRHTNITFSAEVAELYRLELGDYKLIETP  
 IGFAPTQRRYSSTPVRNKRGVFVLGFLGFLATAGSAMGARS LTLSAQSRTLLAGIVQQQQQLLDVVKRQ  
 QEMLRLTVWGTKNLQARVTAIEKYLKHQAQLNSWGCAFRQVCHTTVPWVNDLSPDWKNMTWQEWKQVR  
 YLEANISQSLEEAQIQQEKMYELQKLNWDILGNWFDLTSWVKYIQYGVHIVVGI IALRIAIYVVQLLS  
 RFRKGYRPFVSSPPGYLQQIHIHKDRGQPANEGTEEDVGGDSGYDLWPWPIN YVQFLIHLLTRLLIGLYN  
 ICRDLLSKNSPTRRLISQSLTAIRDWLRLKAAQLQYGCEW IQEAFQAFARTTRETLAGAWGLWEARRI  
 GRGILAVPRRIRQGAELALL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

Cloning Scheme:



ACCN: NC\_001722

ORF Size: 2580 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\\_001722.1](#), [NP\\_056844](#)

**RefSeq ORF:** 2580 bp

**Locus ID:** 1724717

**MW:** 98.9 kDa