

Product datasheet for **VC102530**

envelope protein E (NC_012532) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	envelope protein E (NC_012532) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	envelope protein E
Synonyms:	ZIKV_gp1, ZIKV
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 VC102530 represents NCBI reference of YP_009227198 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGATCAGGTGTATAGGGGTATCTAACC CGATTTTGTGCGAAGGTATGTCGGCGGCACCTGGGTAGACG
 TGGTGCTCGAGCACGGGGTTGTGTGACTGTCATGGCGCAGGATAAGCCTACTGTGGACATAGAGCTGGT
 GACCACTACAGTTTCTAATATGGCCGAAGTGAGAAGTTACTGTTACGAGGCCTCCATTTCTGACATGGCT
 AGCGACTCCAGGTGCCGACTCAGGGCAGGCCTATCTTGATAAACAAAGTGACACTCAATATGTGTGCA
 AAAGAACTCTCGTCGACCAGGCTGGGGTAATGGTTGTGGTCTGTTTCGGCAAAGGGAGTCTCGTCACATG
 CGCTAAGTTTACTTGTAGTAAGAAAATGACCGGCAAAAGCATCCAGCCAGAAAACCTGGAGTACAGGATT
 ATGCTCTCCGTTTCATGGTCCCAGCACAGCGGTATGATCGGCTACGAGACGGATGAGGATCGGGCTAAAG
 TCGAGGTGACCCAAATCCCCAGAGCTGAAGCGACCCTTGGCGGCTTCGGATCACTTGGACTGGACTG
 CGAGCCGCGAACAGGCCCTTGATTCTCTGACCTGTATTACCTGACAATGAACAATAAGCATTGGCTCGTA
 CACAAAGAATGGTTTCATGACATACCACTGCCTTGGCACGCGAGGACCGACACCGGGACACCCCATTTGGA
 ATAATAAGAAGCATTGGTGGAATTTAAAGATGCACACGCGAAGAGACAGACTGTGGTAGTGCTGGGTTTC
 CCAGGAAGGCGCGGTGCATACAGCCTTGGCAGGCGCACTGGAAGCCGAGATGGACGGCGCGAAAGGAAGA
 CTTTTTAGCGGACATCTGAAATGTAGGCTGAAGATGGATAAATTCGCACTGAAAGGGGTTTCTTATTCTC
 TCTGTACGGCCGATTTACATTTACTAAAGTCCCAGCAGAGACATTGCACGGCACAGTCACTGTGGAAGT
 CCAATACGCAGGAACCGATGGACCATGCAAAATCCGGTTCAGATGGCCGTAGATATCGAGACATTGACA
 CCAGTGGCAGGCTTATTACCGCAATCCGTTATTACTGAAAGCACCGAGAACTCTAAGATGATGCTCG
 AACTGGACCCCTTTGGCGACTCATATATTGTCATTGGCGTGGGCGATAAGAAAATCACACATCACTG
 GCATCGCTCCGGCAGCACAATTGGTAAGCCCTTTGAAGCCACTGTGAGGGAGCAAAGAGAATGGCTGTT
 CTGGGTGATACTGCTTGGGATTTTCGGATCTGTGGGAGGTGTGTTCAATAGTTTGGGAAAGGAATCCACC
 AGATCTTCGGAGCTGCCTTTAAAGTTTGTTCGGAGGGATGTCCTGGTTTTCTCAGATCTTGATCGGTAC
 ACTCTGGTTTGGCTCGGCCTCAACACTAAAACGGATCTATTTCTGACATGCCTTGCTCTTGAGGCG
 GTTATGATCTTTTGTCAACAGCAGTATCTGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC102530 representing YP_009227198
 Red=Cloning sites Green=Tags

MIRCIGVSNRDFVEGMSGGTWVDVLEHGGCVTVMAQDKPTVDIELVTTTNSMAEVRSYCYEASISDMA
 SDSRCPTQGEAYLDKQSDTQYVCKRTLVDRGWNGCGLFGKGSLVCAKFTCSKKMTGKSIOPENLEYRI
 MLSVHGSQHSIGYETDEDRAKVEVTPNSPRAEATLGGFGSLGLDCEPRTGLDFSDLYLTMNNKHWLV
 HKEWFHDIPLPWAGADTGTPHWNNKEALVEFKDAHAKRQTVVVLGSQEGAVHTALAGALEAEMDGAKGR
 LFSGLKCRKMDKLRKGVSYSLCTAAFTTKVPAETLHGTVTVEVQYAGTDGPCKIPVQMAVDMQTLT
 PVGRLITANPVITESTENSKMMLLELDPPFGDSYIVIGVGDKKITHHWHRSGSTIGKA FEATVRGAKRMAV
 LGDTAWDFGVSQVFNLSLKGIIHQIFGA AFKSLFGGMSWFSQILIGTLLVWVGLNKNKGSISLTCCLALGG
 VMIFLSTAVSA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

MW: 54.2 kDa