

Product datasheet for **VC101935**

ORF E2 (NC_001354) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ORF E2 (NC_001354) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF E2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101935 represents NCBI reference of NP_040289 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGTCACAGATGGAGAGGCTGCTGGAAAGACTGGACTATATCCAAGAGCAAATCCTGACCCTGTACGAA
AAGATAGTGTGGACCTTGAGGATCATATTAGGCTGTGGAATCTCCTTCGGAGAGAGAACGCAATCTGGTA
CGTGCTTAGACAAGAGGGACACGCCAGGGTAGGTGGGAGGGCTGTGCCCGCCATGACGGTGAGTGAGGCG
AACGCGAAGTTTGCCATCGAAATGCAAATCAAGCTGGAATCCCTGAAGGCTTCTCCTTACGCAGCGGAGG
GATGGTCACTGCAAGAAACGACAAAAGAGCGATACCTGGCAGAGCCAAGCCGCACATTCAAGAAGCTGGG
GCAGCCTGTAACACTGATGTTTCGATAACGATCCCGAGAATCTGACGGAAGTTGTCCTGTGAAATGGGTC
TATTACATTACTCCTACCGACGAATGGTACAAGGCACGCGGTGGCATTGATGACACTGGCATCTATTATA
TAGACCACGAGTCTGTCAAATGTATTACGTCCGGTTCGATATGGAAGCCGAAAATTTTCCGAAACTGG
CACCGTTACCTACCGGTGGTTCCGCTTTGGTGAACGTCCCGAGCCCGTGACGGTTACCGATTCTCTCC
TCCACACGGGAGCGACCCCAAAGGTCTCCGACCACAGGGGTCTCGGCGCGGAGAAATGAAGAACTG
GTGAGCCCGTTGCCCGGCCCCCAAAGACGAAGGGGGCCTACGGACGACGGTCTAGTCCCAAGGCTCA
GCGAAGGACAGCCGTTCCCCGTGTCCAGGGGTAAATGGCGGATCCTCTGACTTTACCTCCGGCGAGTCT
GACGAGGGGCATCGGGTGAACATAGAGCTTTGCGAAAGAAAACGCGAGGAGTGGCACCTGCCGAGGGGC
ACTATCTGTGCGCGCCAAGGGACCCGTGAACCTCTCAGATGTCTGAGGTACAAGTGAAGAACAAGTA
CTCTGGAGATATCATGTATCTGGGGACACGTTACATGGACAGAGAGCGACGGAACAGAAAGATGTGGG
TCAGGACGGTTTTCTGTGCCTTTAGCAATGAGACCAAGCGAGAGAAGTCTCAAAGCGTCAAGATCC
CTAAGAACATCGGCTTGTTTCGCGCCCACGCCGAGAAGCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC101935 representing NP_040289
Red=Cloning sites Green=Tags

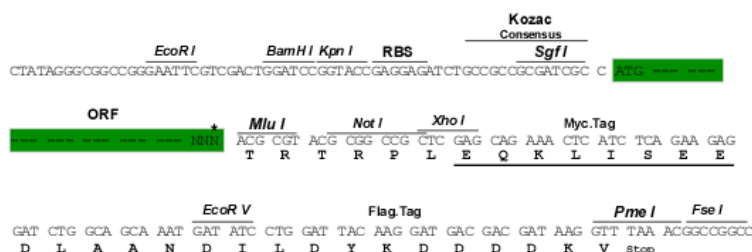
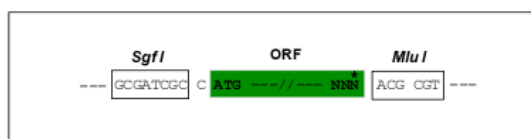
MSQMERLLERLDYIQEQILTLYEKDSVDLEDHIRLWNLLRRENAIWYVLRQEGHARVGGRAPVAMTVSEA
NAKFAIEMQIKLESKASPYAAEGWSLQETTKERYLAEPSRTFKKLQGPVTLMFDNDPENL TEVVLWKWV
YYITPTDEWYKARGGIDDTGIYYIDHESVKMYYYRFDMEAEFSETGTVTYRLGSALVNVPEPVTYTDSS
STRERTPKVLRPQGSRRRRNEETGEPVAPAPKPRRRGAYGRRSSPKAQRRTAASPVSRGNGGSSDFTSGES
DEGHRHVRHARLKKTAGVAPAEHGLVGAKPVNSLRCLRYKWKNNKYSGDMYLGTTFTWTESDGTERC
SGRRFFCAFSNETKREKFLKSVKIPKNI L FRAHEAKL

TRTRRLEOKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC 001354

ORF Size: 1161 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_001354.1](#), [NP_040289](#)

RefSeq ORF: 1161 bp

Locus ID: 1489278

MW: 44.2 kDa