

Product datasheet for **VC101542**

U2 (NC_000898) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U2 (NC_000898) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101542 represents NCBI reference of NP_050184 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGTTTTGCCGGTACCCTTCTGGGCATTAGTTCTTGGTCTCTCGCCTCCGCGGCCCTCTGCCGCTTT
CCTGTTCTTCCCCGCCGACGCGATTTGAGGTGCGATGCGGCAGTTCCTGAGGTGAAATGGACGGCTTT
CGTGCCACACTCGTCGCCAGGCCCTGTCAGCGGACGACGTTAGAGATTTTGTGAGTACTTTCGCGCAC
TGTGGCTCGCCCTCCTGGCCTGTTGGAGCCGAGCTGAGATTGCTACATCAGACATGCTGGGCATCA
CTCAAGCAGAGCTGGCCAAGCTGTACGGGGATACGGTTGCTGCCCGGAATGGACCTGACCGTGATTGG
GGTAACCATCTTCGACAGAGGTGTCTGCACTGGTCTGGTGGGGAGTGGCGGAAATCTACGCCTTTAAC
GGGGTGTTCGACGACGCACTGTATCGGCTGGTGAAGATGCCTTCGGCCTCTGGAAACACGGGCTGCGGA
GATTTGAGCCTGTCTATGGATCCAAGTGCCTGATGGAAACAGGCGCAAGCTTCTTTGGCGGCATGTCGG
CGTGGATGACGCCCTCGCATTGCTGTTAGCTTCGATAAGGCCCTCGTGCCTCTGCCGTGGCCTCGCGGC
GCATTTTTGAGTTTGTGTGCCACGACGGGCTGAGAAGCGCTGGCGCTTGATCCCGGAGGAGGAGTTG
CGGTTGTTATTGGACGCTTCTTTGGCCGAGGAGTACCCTGCCCTGTTGAGGAGACAACGGGTGCTGAT
GGACCAAGTGGGACGGTCTACGCCGCTCTCTGACGGTGGCGCTGTCGTGAGGCTGTCCGACTCTTTT
AGAGCTTTCTTGCCATGGGGTTAGAAAAGTGTCAAGAACCACCGGTTTCCCCCGGACATCTTTGGA
CCATGCAGCTTCCCGTCCCTGCGTCCACGCACCCGTAATTAATCTGCCTGCCGTGACAGCTGTACCC
TCATATGGTGGAGCGAGAGATGAGCGCGGTGAGTTGCGGAGCTTCCACCGTGGTGGCGGGGACTGCGAG
GACACCCTGAGGGACGGGGACGCCGGGGTGCATACCACT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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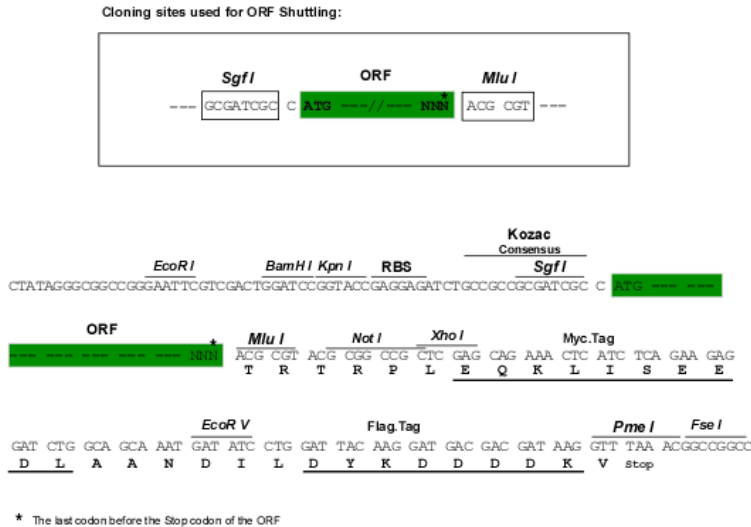
Protein Sequence: >VC101542 representing NP_050184
 Red=Cloning sites Green=Tags

MFCRSPFLGISSWSLASAALCPSSCSFPAGRDLRCDAAVPEVKWTAfvRTLVARPLSADDVrDFVSTFAH
 CRLALSWPVGAELRFATSDMLGITQAEAKLSRGYGCCPGMDLTVIGVTIFAeVSALVLVGEcGEIYAFN
 GVFDdALYRLAEDaFGLWKHGLRRFEPVYgSKCLMETGASFFGGMSGVDDALAFAVSFDKALVPLPWPRG
 AFFFEFavPRRAEKRWRLIPGGGVAVVIGRFFGRGVTLPLLRQRVLMdQVGRVYAASLDGGAVVRLSDSF
 RAFLAMGVRKLFKNHRFPPGHLWTMQLPVTCVHAPVINLPAVYQLSPHMVEREMSAVSCGASTVVRRDCE
 DTLRDGDAGVDTS

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_000898

ORF Size: 1089 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_000898.1](#), [NP_050184](#)

RefSeq ORF: 1089 bp

Locus ID: 1497102

MW: 39.5 kDa