

Product datasheet for VC101366

U19 (NC_001664) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U19 (NC_001664) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U19
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101366 represents NCBI reference of NP_042912 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCATTACAGGCGATGAGCTGGCCCGGATGTTGCAGTTCAAAGATAAAATGATCTCCAGCGCCGGTC
TGGCACTCAAGTTCGAGAAAGTCGTCCAGGAAGCCATGGCCTCAGGGATCGTGTGCAACATATCACATG
CATCAAGGTGCGCATATGCGATAATAGCGACATCTGTCCGATCGGCAGCTGAGGAGTCTGCTGATAAA
GGCTTGTACCCCTTCGAAGGTCGGATGTCTATGTTTGGCGTGACAGAAGAGTGGGAAGGCGCATCTGCCG
CCCTGAGAGGCAGGTAGTGTCTGCTTCTTCTACTGGACAAGTCTTGGGGTACGAGGACGGCGTGGT
GTTTTACCTGAGCCCCACATTCAGCGACTTCTGGACTACCGCAATGGAGTTTTTCATGCCAGAACGCCATT
CTGTCTAACTTTATCGCCCAGAAGTCCCAGATGAGTATATAGATCAGTTCAGAAAATTTCCACCAGAA
TGCGGCACACGCCATCTTCTCACCGAGTGTTCCTCGGCGGTTTCAGAAGGTGCAATCATCCGCATG
TGTGGAGGAGGACGCAAGGGCATCCATGAGACCCATTCAATGTGACTCCTTCGGAGTAAAAGACACATTT
TGTCCGCCACCAGGAGCTCCTGCAACCTAGTGCTAATAAGGACGTTGGCGGTAAGGTGTGTATGAGTC
TGAGCTGCCGCGAAGACAACCTCAGCCCGCACTGTACCATATACGGCCTGACTGAAACACGCGGCATTAA
GATTATGTTTTCCCGACATACCCAGACGAGCAGAAAGTGAAGTCAATGTGCAATGCTGCGACACAGACCGGC
GACGTGGTCGACAATCAAGTGAACACTGTTCCCTGGGTAAAGAACCTGGTGCACCACTATATTGGAAA
CGGAAGTGAAGACAACCGCAAAAAACACCTTTGATGTGTCCAATCCCCGGATCGACTCCGTGTACGATAC
GACCGTCTTTGGAGCGATGGCTACAGATGACGTTGGTTGTGAGAACGTCACGGGTGGGGCTAGCCTTGCT
CAGGAAAAACCCCTCAAAGGTTACTGTATAACAGCTACGCCATCAGAATGTAACCGAACATCCACTGGT
TGAAGTCTCCGAAAAACCGTCCAGGAGAGCGCTGCCGTGCTGCGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC101366 representing NP_042912
Red=Cloning sites Green=Tags

MAFTGDELARMLQFKDKMISSAGLALKFEKVVQEAMASGIVLQHITCIKVRICDNSDILSDRQLRSLIN
 GLYPFEGRMSMFVTEEWEGASAAPERQVVFLLSSTGQVLGYEDGVVFFYLSPTFSDFWTTAMEFSCQNAI
 LSNFIAQKSRDEYIDQFQKYFTRMRHTPIFLTGVLPRRFQKVESACVEEDARASMRPIQCDSFGVKDTF
 CRPTEELLQPSANKDVGGKVCMSLSCREDNSARHCTIYGLTETRGIKIMFSRHTQTDRSEVMCNAATQTG
 DVVDNSSETLFLGKNLVHQSILETEVKTTAKNTFDVSNPRIDSVYDTTVFAMATDDVGCENVQGGASLA
 QEKPLKGYCITATPSECKPNIHWLKSPEKTVQESAAVLR

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001664

ORF Size: 1167 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_001664.2](#), [NP_042912](#)

RefSeq ORF: 1167 bp

Locus ID: 1487945

MW: 43.3 kDa