

Product datasheet for **VC100926**

US1 (NC_001798) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	US1 (NC_001798) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	US1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100926 represents NCBI reference of NP_044531 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGACATCCCCCAGATCCCCCGCCCTGAATACCACACCGGCAAATCATGCACCACCAAGTCCAC
CACCGGTTCCAGAAAGCGAAGGCGGCCGTGTTGCCATCTAGCAGTGAATCCGAGGGCAAACCCGACAC
TGAATCCGAGTCTAGCAGCACCGAAAGCTCTGAGGATGAGGCCGGCGATCTGCGCGGGCAGACGCGA
TCCCCCGGGAGCTGGGCGGAGCTATTTCTCGATCTCTCCGCGGAGTACAACGGGGACTGAGTCCG
AAGGGACTGGCCCTCAGATGACGATGACGACGATGCCTCTGACGCTGGCTCGTTGATACACCCCCCG
GAAAAGCAAGCGCCTCGATAAATCTGCGCCTTACTTCTCTCCGACAGGCGAGCCGGTGTGGTGTTC
CCTGAGGTCTGGCGGTCCGACCGCCTATTCGAGCCGCCAACCTCAGGCACCGGCTAGTCTGCCAGGAA
TCGCTCATGCCATCGCGGTCCGCGAGGCAAGCCAGATGCGATCTGGAGCAGCCTGGACTGGACCT
GCATTATATTAGACAATGCGTGAACCAGCTCTTCGCATTCTGAGAGCAGCTCCAATCCGCCAGGCTCA
GCTAATCGTTGAGACACCTGGTGGCGATTGCTACCTCATGGGTATTGTAGGACAAGACTGGGACCGC
GCACTTGGGGCGGTTGCTCAAATAAGCGCGGAACTTGGACGTGAGGCTGCGGAATGCCATTCGGGA
AGTGAAGCTCACTTTGAACCTGCAGCAGACCGGTCTGCGAGCTCCCATGTTTGAATGCTCGGAGGTAT
GGACCAGAGTGGCAGCTTGGAAATCTGGAGACCAACGGTGGCAGTACCAGCGATGACGAGATTAGTGACG
CAACCGATTCTGATGATACCCTGGCTAGTCACTCAGACACTGAAGGGGGACCATCTCCAGCGGGGAGGGA
GAACCCAGAGTCCGCATCCGGTGGCGCTATCGCAGCCAGACTGGAGTGGCAGTTCGGCACTTTTCGATTGG
ACGTCCGAGGAGGGGTCCAGCCATGGCTCAGTGCAGTTGTGCGGGATACGAGTAGCGCAGAGCGGTCCG
GTCTGCCGGCCCCCGGAGCCTGTAGGGCCACTGAAGCTCCCGAACGGGAGGATGTTTGCAGGAAAATGAG
GTTCCCTGCAGCATGTCTTACCCATGCGGACATACATTCTGAGACCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



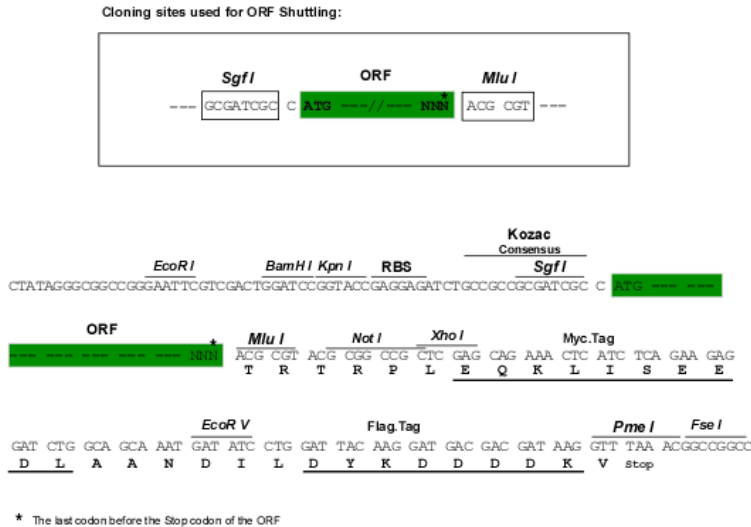
Protein Sequence: >VC100926 representing NP_044531
Red=Cloning sites Green=Tags

MADIPDPPALNTTPANHAPSPPPGSRKRRRPVLPSSSESEGKPDTESSSSTESSEDEAGDLRGGRRR
 SPRELGGRYFLDL SAESTTGTSEGTGPSDDDDDDASDGWLVDTPPRKSRRPRINLRLTSSPDRRAGVVF
 PEVWRSRDRPIRAAQPPAPASLPGIAHAHRRSARQAQMRSGAAWTLDLHYIRQCVNQLFRILRAAPNPPGS
 ANRLRHLVRDCYLMGYCRTRLGPRTWGRLLQISGGTWDVRLRNAIREVEAHFEPAAEPVCELPLCNARRY
 GPECADVGNLETTNGGSTSDDDEISDATSDDTLASHSDTEGGPSPAGRENPEASGGGAIARLECEFGTFDW
 TSEEGSQPWL SAVVADTSSAERSGLPAPGACRATEAPEREDGCRKMRFP AACPYPCGHTFLRP

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001798

ORF Size: 1239 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_001798.1](#), [NP_044531](#)

RefSeq ORF: 1239 bp

Locus ID: 1487350

MW: 44.7 kDa