

Product datasheet for **VC101451**

U8 (NC_000898) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U8 (NC_000898) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101451 represents NCBI reference of NP_050189 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGACGGAAAGCGTGTGAAAGTAAACGGGGTCTTAAATTTAACAGGTGTGTCACTACACTCTTTT
TCCCGATAAGCTGCCACGTGACTGCAAGTAGGATCGAGGTTCTGTACTCCGGTACTTCATCGTACTCACT
GCTGGTCTGTTGGAGTATTTAAGATGGACCTGGAGGCTAAAGAAGTGAGCGGGGAAATTCCTAACGAA
AACGCCCTCGCCGAACCTGTAGGTTCTGTGAATCCGCAGATCTGAGTCGAATCGAAAATTTGTTCGGAA
CATACAAAAATTGGTGTCTGTCCATCATCTGGCCCCGCAACTGTTGGCTTCGCTTACCCTGCGAAAGGA
TGTGCGAGGCTATACTGAAAAATGTTTGAGGACATGAATGATCACTACCAGGGATTTGTCGAGAAGCTT
TGTCTCTTGGGAACCATTCAGATTCCTATCGCGATGTCCCGATCTTGATCGGGAGATCCAAAAGAATTT
TCTTGATGACCTTGAGACCGACACCCTCCACTTCGTCTGCGATAACTTCGAGCAGTTTGTCCGCTATGG
GGTTCTGGGCACCAACATCATCACTTGTGCCGAACCTGTGTACCGACACGGTCTTTATGATGGCCCCGG
TTCGAGTCTTTGGAAAATTGCGCAATAACGACGTCCTGCGATCACCTGCACACTTAACATCCACCTGA
AGCTCAACAGAAAAGGTGTGCTGGGAATTAAGCCATGAGGAAGCATTACATTGCGATGCTGAGAGAGTT
CGACGAACCTCGCCAGGTGCGCCAGTCTTGACGACGTCGAAAGATTTGTATCTCTGAACGTGGGAAGAGAC
CTGCGCCTTGATATGCCAGTGTTCAGAGTCTGACGTTGGGTACCGGGACTCAGTGTGGATTGGACAT
GCAGACTGGCCAATCTCGAGGAGCAGGAAGATCTGGTTGAGAAAGTAGTGTTCTGGGGTATCTTAACGA
TCACGACTACGAGAGCAAGTGACAAGGCCATCCTGTGTATTGGGAAGAGCGGTAAGATATATTATTAC
GATTGGATTGATAATGTCCTGGTGAAACTGGGGGATTGCCTCCTGACCTCCTGAGAGTTGGGTTTGCC
GCCTTTTGGCGACTGTGGATATGAGAAAATCGGTAATAATTTCAATGCGATTTGGGAGAATGTCAACCTT
GGGAATGAGTAAAACCTACCAATCTGCATGTCCCTCTCTAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >VC101451 representing NP_050189

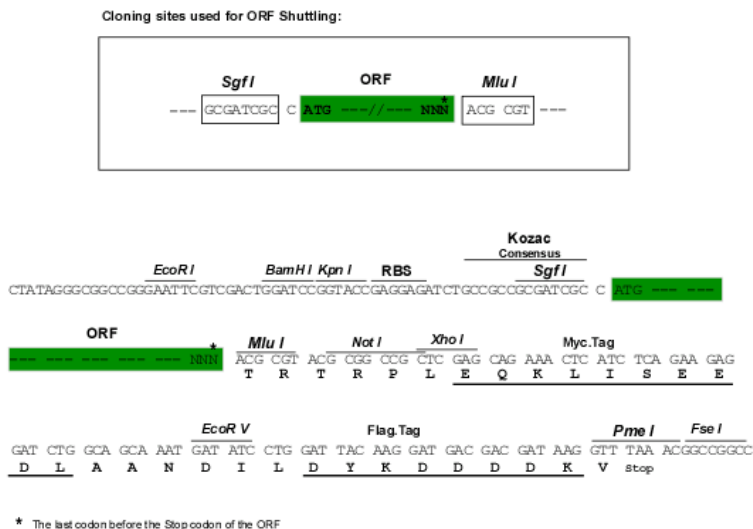
Red=Cloning sites Green=Tags

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MRRKACESKRGLKFNKVCHTTLFFPISCHVTASRIEVLVFRYFIVSLLVLFVGFKMDLEAKEVSGEIPNE
NALAELCRFCESADLSRIENFVGTYNWCLSIWPRNCWLRFTLRKDVAGYTEKMFEDMNDHYQGFVEKL
CLLGTIQIPYRDVPIILIGRSKRIFLHDLETDTLHFVCDNFEQFVRYGVLGTNIITCAEPVYRHGLYDGRP
FESLENLRNNDVLRSPCTLNIHLKLNKRGVLIKAMRKHYIAMLREFDELARCASLDDVERFVSLNVGRD
LRLDMPVFKSLTLGTRDSVWIGTCRLANLEEQEDLVEKVVVLGYLNDHDYESKCTRPILCIGKSGKIYYY
DWIDNVLVKLGDCLLTFLRVGFARLFDGCGYEKIGKISMRFGRMSTLGMSETYQSCMSLSK
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TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_000898

ORF Size: 1233 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_050189](#)

RefSeq ORF: 1233 bp

Locus ID: 1497020

MW: 47.6 kDa