

Product datasheet for VC101427

U81 (NC_001664) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U81 (NC_001664) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U81
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101427 represents NCBI reference of NP_042974 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCCTGCTGCAATGGATGCTTGATCACGTGCAGGATGAGGAAAAGAACTGCGAGAAGTTGAGTATCG
ACGATCAGCACTCTCTGTTCCGGCATTAAATCGGGATTGGCTTTCTTTTCTGCAACTGTCCAAGCTGGAAAT
TACACACCTGAAGCATGTGTATAAACTGGTGGATAACGATAGAGCCCACCTGATGGTGCACCCTAGCTCA
GACAATGTGCACGCATGGTCCTTCTCTGCAAACCGGATAATGTCAAGGTGTAATTCTCGGGCAGGACC
CCTATCCAGACGGCAGAGGTTGCGGCCTTGCCTTTGGAACCGTAAAAGAGTGCAGCATACCCGAATCCCT
GAAAAACATCTTTAAAGAACTGGAGAGGAGTGTGCCTAATTTCTCCCCCCTGATAACGGATGCTTGAAC
AGCTGGTGCAGCGAGGGTGTCTGCTTTTGAAGTCTATCTTACAGTAGTGCACGGGCTCCCATGTCCC
ATGAAGCATTTGGCTGGCAGACCCTCTCATACAAGATAATCAGCAAAGTACGCTGGAGATGGACAGCCT
TGTGTTCTGTTGTGGGGTAACCATGCACGAAAAGTCTCTACCTGATCGACGCCCGCAAGCACCTGGTG
TTGGAAGCGCCACCCTTCTCCAAAGTGAAGAGCGGAGAATGCCCTTATCGGTTGCAACCATTTTG
TACGCGCCAATTTGTTCTGACAGAACACGGTAAGGATCCCATCAATTGGAACATTCTTAATGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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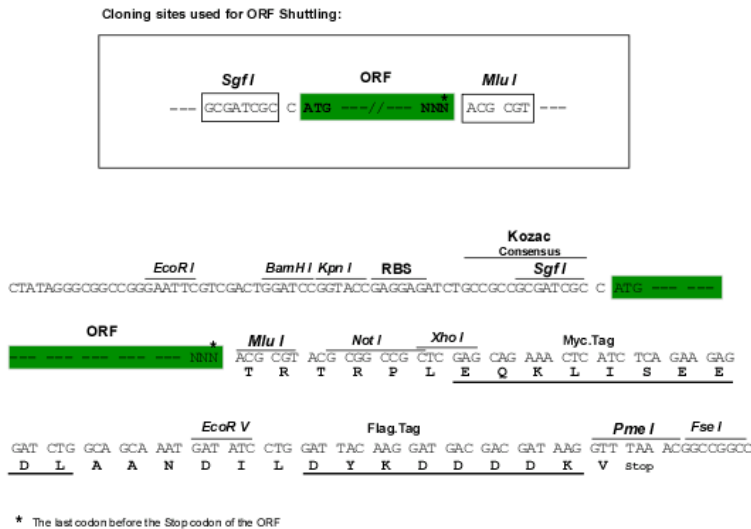
Protein Sequence: >VC101427 representing NP_042974
 Red=Cloning sites Green=Tags

MALLQWMLDHFVQDEEKNCENLSIDDQHSLFGINRDWLSFLQLSKLEITHLKHVYKLVNDNDRAHLMVHPSS
 DNVHAWSFLLCKPDNVKVVILGQDPYPDRGCGLAFGTVKECSIPESLKNIFKELERSVPNFSPPDNGCLN
 SWCSEGVLLLNSIFTVVHGLPMSHEAFGWQTLASYKIIISKLSVEMDSLVFLLWGNHARKLSYLIDARKHLV
 LESAHSPKVKKSARMPF IGCNHFVRANLFLTEHGKDPINWNILNE

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001664

ORF Size: 765 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_042974
RefSeq ORF: 765 bp
Locus ID: 1487961
MW: 29.0 kDa