

Product datasheet for **VC101431**

U85 (NC_001664) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U85 (NC_001664) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U85
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101431 represents NCBI reference of NP_042978 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTAGTCTGATGCTTAGACTGCTCCCACTCCTGTACATTATTTAGCTCATTTCTGCTGCACCCAG
AAACGTCCTCCTCTGATATACGAGATAGGGAGTATTGCACTTTTCACTGCCGGCTGGAGACAACACTAC
TAATATTAGGTCAGTCTCCTGGTACAATAAAAACCGACTGATTTCTAACCATGAAGTGCAAAACATGGAC
AATCTGCTTTTACTGACGACGGTTATGTTCTGATTCATGAGTTGAACAAAATCAACAACCTCGCCGTGG
ACAGCAAGCTTTATTTCCACATTAACACAACCGCACCACATCCTTGCTGAAAATCAAAGCCAAGTCAGC
CTACGATGCCACCTGTTTGACATGTACCTTACGGTCGATAATGAAAAAATCCGCTACCTCCTGCTTG
AACTGTTTATGAAGCCCATCGTGGTGTGACTTCCGGTATCTCGACAACCTCCTCGATGTGACTTGTA
CAGTGACCTCTTATCCAAAACCGAACGTGGTTATTAAGTTCCTGGGAGAGGTTTACAAGCGCGATATCCC
CATTGTCGGCAGAAATGAAAATGGCTCTTCTACCGTCTCTGTGAATTTACGTTTAAAGCGGCAACCAAA
CTCGAATTCGTTGGCAAGACCGTAAGCTGCCTGGCCAGTTCATGGTTCACCTAACCGAAGGCTCTGCC
TCGTAACCTCAGGTGAGCACACTGTTCAAACCATGATGAATATCAAAGGAAGGCGTTAAGTCATCAA
CAGCGATGAAACCGTGTACCTGGACCGTCCGCTGATCCTGATCCTGATCTCTGTGATCTGCTCCTGCTG
ATAAGTGTGTATCGTTGCTTTCAAGAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >VC101431 representing NP_042978
Red=Cloning sites Green=Tags

MSSLMLRLLPLLIIISAHFVLPETSPSLIYEIGSIIVTFHCRLETTTNIIRSVSWYNKNRLISNHEVQNM
 NLSFTDDGYVLIHELKINNLAVDSKLYFHFKHNRTTSLKIKAKSAYDATCLCTFTVDNEKTSATSCL
 KLFMKPIVVLYFRYLDNFDVTCVTVSYPKPNVVIKFLGEVYKRDIPIVRQNGSSSTVSVNFTFKRRTK
 LEFVGKTVSCLASWFTNQKASALVTSGEHTVQNHDEYSKEGKSSNSDETFTVFTWVPLILILISVIVLL
 ISVCIVAFKS

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC_001664

ORF Size: 870 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_042978
RefSeq ORF: 870 bp
Locus ID: 1487965
MW: 32.9 kDa