

Product datasheet for **VC101375**

U27 (NC_001664) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U27 (NC_001664) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U27
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101375 represents NCBI reference of NP_042920 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGAGAGGGTCAAGAGATCACACCCGCGACCACAGAGATCACGGGAGCATAGGGAGACACGGGAGC
CCCCACGCTGGCCTTTACATGAAAAGCTGGAAGACTATTAACAAAAGCCTGAAGGCGTTTGCAAAGCT
TCTCAAAGAAAATACCACAGTAACGTTACGCCGCAACCCTCCATCATTATCAATCTGCCAAGAACCAT
CTTGTCAAAAGCTTACGATTACGGCCGAGTGTCTTTTCTCAGTGACACGGATCGTTCCTGACCAAAA
CCATCAATAACCACATTCCACTGTTTGAAGTTTTATGAACATTATCTCAAATCCAGAGGTGACCAAAAT
GTATATCCAGCATGACAGTGATTTGTACACACGGTCTCGTGACTGCGTCCGATACATGCACCCAGGCA
TCTGTCCCTGCGTACATGGTCAGGAGGTGTCGCGGGACACAGGCCGAGTCCGTTGCGGATCGACCTGG
ATCACAGCACTGTGTCTGACGTGTTGAAATGGCTGAGTCCCGTGACCAAGACGAAACGCTCCGAAAAGAG
CGATGCGCTGATGGCACACATCATTGTGCAAGTCAACCCACCACTATTAATTTGTGACCGAGATGAAC
GAACTTGAATTCTCAATTCAAATAAAGTCATCTTCTACGATGTGAAGAATATGAGATCAACCTTAGCG
CAAAGAACCTTCAGCAAGCTCTCTATGTGTGCCGTAATAAGACCAGCTGTAGCCTGAGGACGGTAGC
AGCCAAGGATTGAAGTTGATTCTGACCTTAAGTCAACTCTGTTGACAGTCGAGGCCTTCTGACACAA
GAGCAACTAAGGAGGAGAGTAGATTTGAACGGATGGGAAAACAAGATGACGGGAAGGGAGATCGCTCCC
ACAAAAATGACGATGGATCTGCCCTGGCATCAAACAGGAGATGCAAGTATAAAATCACTAATTATATGTT
GCCGGCAAAAATGGAAGTCCGGCTCCAGTCTGTTAATGAGAAGGAGGATAGTGAATCCGACGACTCA
ATGCATTTTGATTACAGCAGTAACCCCAACCCCAAGCGCCAGCGGTGCGTAGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >VC101375 representing NP_042920
 Red=Cloning sites Green=Tags

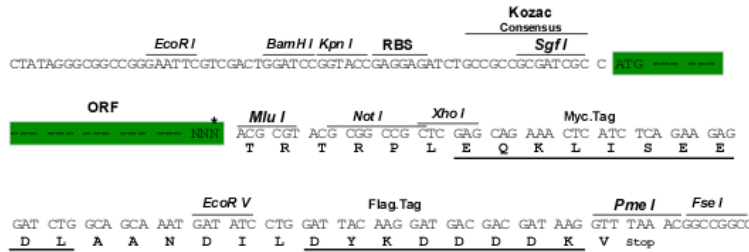
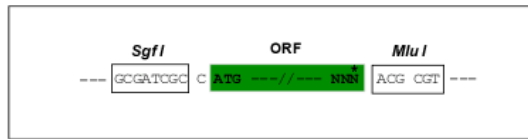
MERGRSDHHRDRHREHRETREPPTLAFHMKSWKTINKSLKAFKLLKENTTVTFTPQPSIIIQSAKNH
 LVQKLT IQAECLFLSDTDRFLTKTINNHIFLFESEFMNII SNPEVTKMYIQHSDLYTRVLVTASDTCTQA
 SVPCVHGQEVVRDTGRSPLRIDLDHSTVSDVLKWLSPVTKTKRSGKSDALMAHIIIVQVNPPTIKFVTEMN
 ELEFSNSNKVIF YDVKNMRFNL SAKNLQQALSMCAVIKTSCLRTVAADCKLILTSKSTLLTVEAFLTQ
 EQLKEESRFERMKGQDDGKGD RSHKNDDGSALASKQEMQYKITNYMVPKNGTAGSSLFNEKEDSESDDS
 MHFDYSSNP NPKRQRCVV

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: 1104 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_042920](#)

RefSeq ORF: 1104 bp

Locus ID: 1487904

MW: 41.9 kDa