

Product datasheet for VC100217

U exon (AC_000018) Virus Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: U exon (AC_000018) Virus Tagged ORF Clone

Tag: Myc-DDK
Symbol: U exon

Mammalian Cell Neomycin

Selection:

Vector:

pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

ORF Nucleotide >The Viral ORF clone VC100217 represents NCBI reference of AP_000563 with codon

Sequence: optimized for human cell expression
Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGAAAATAGTAGGGACTGGCCAGGAACTGAAGTTTGATATCCCTTTTAAGGTGTGGAGGAAGTACGCAGCCGAGCCGCGGCTTGGAGTATCAGAGTTGGGAGGAGGAGGGGAGTGAGGTGCTGCTCGGCCAGAATTTCAACAG

GGATCTGATTGCAGACTTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC100217 representing AP_000563

Red=Cloning sites Green=Tags

 ${\tt MKIVGTGQELKFDIPFKVWRKYAAERGLEYQSWEEGSEVLLGENFNRDLIADF}$

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

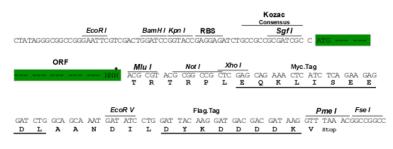
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Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: AC_000018

ORF Size: 159 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: <u>AC 000018.1</u>, <u>AP 000563</u>

RefSeq ORF: 159 bp **MW:** 6.2 kDa