

Product datasheet for VC100861

US12 (NC 001806) Virus Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: US12 (NC 001806) Virus Tagged ORF Clone

Tag: Myc-DDK

Symbol: US12

Mammalian Cell Neomycin

Selection:

pCMV6-Entry (PS100001) Vector: E. coli Selection: Kanamycin (25 ug/mL)

>The Viral ORF clone VC100861 represents NCBI reference of NP_044675 with codon **ORF Nucleotide**

optimized for human cell expression Sequence:

Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGTCATGGGCATTGGAAATGGCAGACACCTTCCTGGACACCATGAGGGTTGGGCCAAGGACATACGCTG ACGTCAGAGATGAGATTAATAAGCGAGGCCGCGAAGACAGAGAGCCGCTCGCACTGCCGTACATGATCC TGAACGGCCACTGTTGCGCTCCCCAGGCCTGCTGCCTGAAATTGCACCGAATGCCAGCCTCGGCGTGGCC

CACAGACGCACCGGGGGCACAGTGACCGACTCACCTCGGAATCCGGTTACCCGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

>VC100861 representing NP_044675 **Protein Sequence:**

Red=Cloning sites Green=Tags

MSWALEMADTFLDTMRVGPRTYADVRDEINKRGREDREAARTAVHDPERPLLRSPGLLPEIAPNASLGVA

HRRTGGTVTDSPRNPVTR

TRTRRLEQKLISEEDLAANDILDYKDDDDK**V**

Restriction Sites: Sgfl-Mlul



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

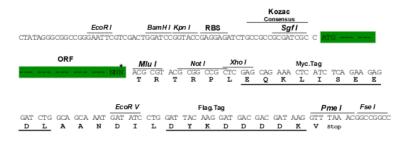
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Cloning Scheme:





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

ACCN: NC_001806

ORF Size: 264 bp

OTI Disclaimer: Due to the inhe

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at customercom or by

calling 301.340.3188 option 3 for pricing and delivery.

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).



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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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with

0.22um filter is required.

RefSeq: NC 001806.1, NP 044675

 RefSeq ORF:
 264 bp

 Locus ID:
 2703441

 UniProt ID:
 P04413

 MW:
 9.8 kDa