

Product datasheet for VC101360

U12 (NC_001664) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U12 (NC_001664) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101360 represents NCBI reference of NP_042903 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATACCGTGATCGAGCTCAGTAAGCTGTTGAGGAATGAAGAGTTTAAAGGAAACGCCAGCTGCACGA
GTACCCCTACCCCTGAAAACCGCTCGGATCATGGAATCCGCCGTAACCGGTATCACCCCTACCACCTCCAT
TCCTATGATCATAATTGTGGTCACAACATGATCCTGTACCACCGCTGGCCAAACATAACGCTACTTCC
TTCTACGTCATTACCCTGTTTGTAGTGACTTCGTGTTGATGGTGTGTGTTCTTCATGACAGTGAATA
GAAAACAGCTCTTTTCTTTAACAGTTTTTCTGCCAGCTCGTATACTTTATATACCACGCTGTGTGTAG
TACTCAATCAGCATGCTTGCCATCATTGCCACTATCCGCTACAAGACACTTCATCGGCGCAAAAAACA
GAGAGTAAAAAAGCTCTACAGGTAGGAATATCGGGATCTTGCTTTTGGCTTCTCCATGTGCGCCATTC
CAACTGCACTGTTGCGTGAAGACAAATGGCATGAAGAAAACGGGAAAGTGCCTGTTTACATTTCTCCAA
AAAGGCCACGAAGTGTCTGGCAGTCAAAATCGTGTCTCATTATATGGGGGACTGCCACCATG
GTATTCTATTCTTTACGTGATCTTCTGTAAGCTCTGCATGACGTGACAGAGAAGAAGTATAAGAAA
CCCTGTTCTTTATCCGCATACTTCTGCTCAGCTTCCTGCTCATCAAATCCCCTATATTGCAATTCTCAT
TTGCGAAATCGCCTTTCTGTACATGCCACAGAACCTGTTTCTGTTGGCCAGAGTCGAAATCCTGCAG
CTGATTATTAGGCTTATGCCCCAGGTGCATTGTTTATAGCAACCCACTTGTTCACGCTTCACTGGCGGCG
AACTGAGAAATCGGTTACCGCTTGCTTTCAAAGTTTCTTTCAAAGACACTGTGCTCTACCCAAAAGAG
GAAGGATTCAGACGCTAGTGAACACGACCAGAACTCTAAGTCCAAGGCTCCGTGGAGAAGAATCAGCCT
CTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC101360 representing NP_042903
 Red=Cloning sites Green=Tags

MDTVIELSKLLRNEEFKGNASCTSTPTLKTARIMESAVTGITLTTSSIPMIIIVVTTMILYHRVAKHNATS
 FYVITL FASDFVLMWCVFFMTVNRKQLFSNRRFCQLVYFIYHAVCSYSISMLAIATIRYKTLHRRKKT
 ESKTSSSTGRNIGILLASSMCAIPTALFVKTNMGKKTGKCVVYISSKKAYELFLAVKIVFSFIWGLPTM
 VFSFFYVIFCKALHDVTEKKYKKTLLFFIRILLLSFLLIQIPYIAILICEIAFLYMPQNTCFWLARVEILQ
 LIIRLMPQVHCFSNPLVYAF TGGELRNRF TACFQSF FPKTLCSTQKRKDS DASEHDQNSKSKASVEKNQ
 L

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001664

ORF Size: 1053 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_042903](#)

RefSeq ORF: 1053 bp

Locus ID: 1487893

MW: 40.3 kDa