OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for VC101579

U40 (NC_001716) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U40 (NC_001716) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U40
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>The Viral ORF clone VC101579 represents NCBI reference of YP_073780 with codon optimized for human cell expression
Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAATTCACTGCAGAGTCTCTGTGTGCTGTGCAGCCGGTTGAGTGAATGTGCTCTGGAGCTGGAGTGCC
TGCGCTTTTGCGACCCAGTGACCCTTATTCCTGACATGACAAACTTTCGCAAAAACGGGGTTGTGATCAT
ACACTTGTTTAAGACATTGTTCGCCGAGCTTTGTCACCAGAACTTTAACTGTGCGTCACCCGTCACCATC
TACCTCCAGATACTTCTCAAGGCAATGTACAATCAGGTGCTCCTGCTCGATGCCAGCATCCACCAGTTCT
TGCTCGACAACGATAAGCAGAAGTATTTCGAAAACATTTTCCAGCTCAACGAATGTAAGCAGCACCTGAA
ACTCGACCTTGCGCTGAATAACTACCTCACATTCAGCGTGGATATTAGTACCATAAATGACATCGAGAAG
CTGCTCTGTAAGATGAATTGCATTTTCGGGCTGATTAGCCCTCTGGATGGAATTAACGCCTGCTCCCAGA
TTATCGAATTTCTGACGATTCTTTGTGGCGTGTGTGTCGTCATGAAACCAGAAGTGTTTAGTGAAACAAC
TACCTGTCTGAAGTGCTACGAGGAGCTTTCTCTTGTGCCTAACCAGGGCAAATCTATCAGAAAGAGACTC
GCAGGAAAGTTCTGCAATCACCTCACAGAGACCCACATGGTGAGCAATCTGGAGAAGAACGTCGATATTA
TCGAGAAGGACCTGGACTTCTCAACAAAGCAGTACGGACTGGTGAAAGAGTACATGGCTAAAATCACAAA
TATTTTCCAGCAGCAACTTTATTCCAAACCTCCCCATCTCCAGGAAGCGGAGAACACACTTATTAATTTC
GATCTGTTCAGCAAGATCCCCGATACAATTTATAGCTTGTCCGAATTCACGTACTGGAGCAAAATTTCCG
AATCCGTGATTCAGAAAGCCAGCATCACTCTGAACCAGCTCAACCTGTGCCATTCCCTCTACGCTGACCT
CCAGAACGAGATCAGCAAATTTCTGTACGGAGAAACAATTCAGGACGTGTTCAACTTTAATGAGGAAAAC
GTGACCAATGATGACAAATTGTATATCGGCTCCAGATTCATCTCTCCCTGCAGATTGGTTGACATAATCA
CGAATGTGAGCATCAAGAATTTGGAGGAGGACCCCGTCTTCACCAAACTCGCCGAGGAGGACGAGATCCA
GACTAAGATAAAGACTCTCCTGAACGAGCTCGAGAACAGTGCACATGAAACAGTCCCAAAAAAATATGTC
ACTCACTCTATGACACAGGATCACAACTTGCAACAGGAAATACACATCCGGAAGAAAGCTTATTACCAGA
AGATCTCTGAATCCGGTTATTCAAAGGTAATGCTCTGCATCAAGGAGCAGGAGGCACTGATCAACAAGCT
TATGAACATCAACATCTTGGGCAACCATATCTTTGAGTCCTTGTCCAAAATGATGAACGCCTTCGCAAAT
AGACAATTGCAGAGCTTGGGTAACTTCAGCGCGGATCCCTTCACCTATGACGATCATCTCTACATCAAAA
ACAACTTGCTGTCCAAGAAGCTGCCACAGGAACTGCTTCCTAACCTGTCCCAAGAAATGTACCGCCTCCT
CACAGGCCCTCTGAGTAACTACCATACCGCAAGTTTCCCACTGTCAAGCAATATATCTATGGCCTATGCG
TGTGACGTCGCAGACTTCCTTCCCCACATGAAGGAGGACCTGGCCAAATGCGTGGAAGGAACCATTTATC
CGGAGAACTGGATGCTCTGCACCTACAACAAATTCTTCAACTTCGACGGACTTCATAATATTAATGACAT
GCAGAGACAGATGTGGAATTTTATTCGCGAGCTCGTGCTCTCAGTTGCACTTTATAATGACGTTTTCGGA
AAGCAGCTCTCAATAGTGAAGTTTGGCGAAGAAACAGAGACCGTGGAGAAGATCCTGTTGACATTCGATT
CAGGCAGCCCACTCCTGTTTAAGAGAGGCACAAACACCACCAAATTCAATGACCTCTATTCCCTGTTGTA
CTTCGACCTGAAAACCCAGTGTGATCCAGTGCAGATATCCCAGACTAAGCAGGTCAGCCACATTCCCGCC
CCAAACCTTCTCGACCTGTGTAGACAGAACGAAAATTCCATACCCGAGTGCTTTTACAATTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101579 representing YP_073780
Red=Cloning sites Green=Tags

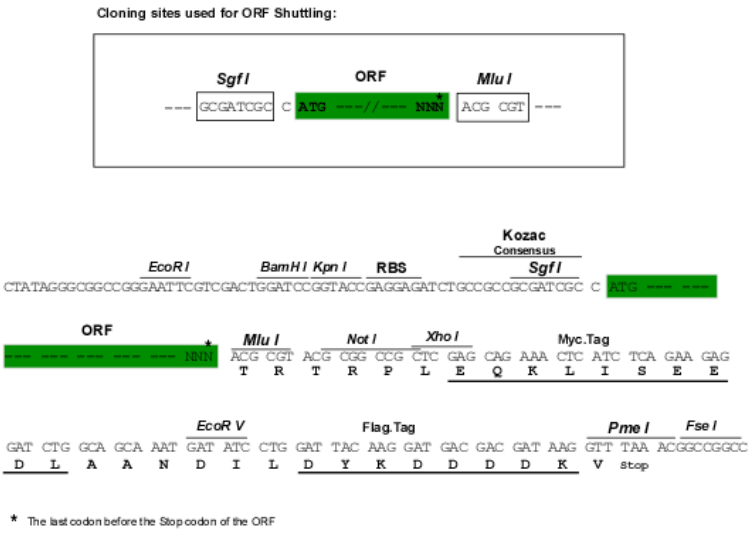
MNSLQSLCVLCSRLSECALELECLRFCDPVTLIPDMTNFRKNGVVIIHLFKTLFAELCHQNFNCASPVTI
YLQILLKAMYNQVLLLDASIHQFLLDNDKQKYFENIFQLNECKQHLKLDLALNNYLTFSVDISTINDIEK
LLCKMNCIFGLISPLDGINACSQIIEFLTILCGVCVVMKPEVFSETTTCLKCYEELSLVPNQGKSIRKRL
AGKFCNHLTETHMVSNLEKNVDIIEKDLDFSTKQYGLVKEYMAKITNIFQQQLYSKPPHLQEAENTLINF
DLFSKIPDTIYSLSEFTYWSKISESVIQKASITLNQLNLCHSLYADLQNEISKFLYGETIQDVFNFNEEN
VTNDDKLYIGSRFISPCRLVDIITNVSIKNLEEDPVFTKLAEEDEIQTKIKTLLNELENSAHETVPKKYV
THSMTQDHNLQQEIHIRKKAYYQKISESGYSKVMLCIKEQEALINKLMNINILGNHIFESLSKMMNAFAN
RQLQSLGNFSADPFTYDDHLYIKNNLLSKKLPQELLPNLSQEMYRLLTGPLSNYHTASFPLSSNISMAYA
CDVADFLPHMKEDLAKCVEGTIYPENWMLCTYNKFFNFDGLHNINDMQRQMWNFIRELVLSVALYNDVFG
KQLSIVKFGEETETVEKILLTFDSGSPLLFKRGTNTTKFNDLYSLLYFDLKTQCDPVQISQTKQVSHIPA
PNLLDLCRQNENSIPECFYNF

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NC_001716

ORF Size:

2163 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_001716.2, YP_073780
RefSeq ORF:	2163 bp
Locus ID:	3289498
MW:	83.1 kDa