

Product datasheet for **VC101582**

U43 (NC_001716) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U43 (NC_001716) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U43
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>The Viral ORF clone VC101582 represents NCBI reference of YP_073783 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGACAATCACTGTGTTTCGCCACAGAATATGACCCCGCACACGTTATAGTCAATATTTTGTGTA AAAACC
CTTCAGAGCACCTGATCTTTCTATAATCGTAAAGTACAAACCTAGCAAAAACGTTTATTTTGTATGCA
GACAAAAAGTGAAGTCTCCAAGCGGATTGAGACCGTATTCGTGTGCGACGCGGAGTCTCTCAACTTC
TCATATTATGTCAAGAATGCTCTGCCTATCAAGAGCGAAGACATTATCCATTGCCTGAATACCGAAGAGA
CGGAGAATCTCTACAAAGACTTCCTTCTCTCACACGTCCCTGAGGGTAGTGAGAATATCGAGTTC AAGTC
TCTGGTGT TTTTGTGCAAACTATCATTATCAAGCACCTGACTAATAAATACCTTCTCCACAAGCCCC
TTCTGGTTTTGTCCACTTACGGCCAGACAGGGGAATGCTCCTGCTGACCATGTACTATTACCTCTTTG
AAGAACAAAAAGCACCATTGCTACAATAAAAAATTACGTGCAATGTTTTACGGACAAGCTGGGTGACAT
GGTGT TTTACCTACTCCTCCATGAGTGAATTCATTAACATCACGCTTAAGAGCAACTACAGAAAGAAATTC
GTTTCATTTTCAGAGTATGCAAAGCAAAAGAACATACGAGACCGAAAGGAATTCCTGTACCTGGACAAGC
AGATCGACATCTTTGCAATTCGTCACCTCACTAATTCCTTCCGAGTACATTACATCTATATTGCCTA
CAGTACCGCACTGGAAAAGAATAAGTTCATCAAGTATAGCCAGCTTACATCTTATGACCTACACGATCT
GACACTTCCCAGTGCCAGGAGAACATGTATCTTGGGAATAGCTTGCACAGTGACCTGATATCCATCA
TGAAACAGTACTTTAATGAAGATTCTATTTTCAGAACTACGTGGAGATTAAGCGGATGCTTAACAACAA
ATTTCAGATGCAGCAGTACGTGTACGATATCAACTCAAATCGGAACATCATGTTGGTTCATCAATTCAGAT
CAGATTTCCAAGATGGTCAACAAATGTAATAAACACGGCGAGGGGTATTTACACCTATCAAACCTCGGAC
TGCAGGGGTTCTTGAAAATCCTGGCCTCCAACAATCCATTCTTATCGATGGCAAACAGTGACCGGAG
GCAGTACCTCCATGACCAATTTTCTAATCCTATCCCTATGTTCCGGGTCCAGATGTCTTACAAGAATCTT
TATTGTTTCGGCTCCGCCGAGTCATGGTACAAGAACATGGGTTTTGATCAGGTGATGCAAGTTCTGCCTA
ATGAATACATTAGTGATGAATCTCTGACGAGCACCTTCTGGTGCAGGATACAACATTCTGTCTGACGA
GATAGAGAAACAGTTCTACGTACGAGGACGAAATCTTAAAGTACCTGCCGTCACAACTACATC
GGAGATCTGGATCTCCCGCTCCAGGACAGCGCCATCATCACGAAAGTCTTTTTTTTCCATGTGCAAGC
TGATGAGGAACGTGCTGATTAATGCTTGGCAAAAGATATTTCCCTTCATTGACAAAGATGCCTACCCCAT
ATCTCTTTTAAAACAACATGTTCTAACCCAGAGAACCCTGAACCACAACGTGTGTACAACGAGGTG
GAAACCGCTTTTGCATGCAAAAAGAAGATTGGCCTCCGATTGCGATCCCCATTCCCAAGGCACAG
CAATCATTGGAAGCGAACCGCTTAAGCAGTTGTCCAAAATCTTTAATCACCTGATGTGCTGAACCATGA
CCTGATGCAGATACTTAATTCAGTGATTTTCCCTGGTGTGCTTCGACACCGGGATTTATAACTGGA
AGGTGTTTGAGACTGGGCTTCATGTACAAGTTGATGAAGAGAATAATCGATTTCTTTACGGGAGGCTGA
AGCCCATCTTCATCGTTCCAGAAAAGATGAAAAAAACTTCCAAGATTTTGTAGCATGCAGCTTGACCT
CAACAATATCCTGCATCATGGCACAAAAGACCAGACAATTACCGAGATTTTACTCCATATTTGATAAA
GCTTGCCCAACAGAGTTTTCTTTATCGATTCTCGCACCAAGCACTTTATCACAGAAAGCAGAGCAGCC
TCGAAACCTTGTGCCTGAAGTACCTCCAGTGAATGGTTCTCCGAGACATCTTGCTGTCCCGGATGA
TCTTCTCATGACATTTACACGGAGCATTGCCTGGCCTCAGATGCTGAAAAAAAACATCCAGCATTGTGAA
GCCAGGACCGCCACAGTTC AACACGTTACTTTTCTGAAAATCGATCATAAAAAATATCCAGCTTAAAA
AACTCCAGAACGGCAAACCTGAGTGACTTCTCCTGTCTTACACGAAACCACAAAGGCAACCGGAAAAACGT
CCTGGTGTACCTCGAATTC AAGGTGGACAACAACAGAATCCTGATCATACTGTGGTCCAAATGTTTTACA
ACAAAGTGCAAGAGCAATAGCAAGCAGGTTCACTCCAGTGTGGTGTGCTCGATTCCCTCAACATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC101582 representing YP_073783
Red=Cloning sites Green=Tags

MTITVFATEYDPAHVIVNILCKNPSEHLIFPIIVKYKPSKNVYFCMQTQKCKFSKRIETVFCDAESLNF
SYYVKNALPIKSEDIHCLNTEETENLYKDFLLSHVPEGSENIEFKSLVFFCKTIIKHLTNKYLLPTSP
FWFLSTYGQTEGMLLLTMYYYLFEEQKSTIATTKNYVQCFDCLKGDMVFTYSSMSEFINITLKSNYRKKF
VSFSEYAKQKNIRDRKEFLYLDKQIDIFRNSVHLTNSFRVHYIYIAYSTALEKNKFIKYSQLTSYDPTRS
DTSQCQENMYILGNSLHSDLISIMKQYFNEDSYFQNYVEIKRMLNNKFQMQQYVYDINSNRNIMLVINS
QISKMVNKCCKHGEFYFTPIKLGQGLKILASNKSILIDGKPVTRRQYLHDQFSNPIMFRVQMSYKNL
YCFGSAESWYKNMGFDQVMQFLPNEYISDESLTSTFWLQDTTFLSDEIEKQFYVTRHEIFNEYLPVTNYI
GDLDLPLQDSAIITESLFFSMCKLMRNVLINAWQKIFPFIDKDAYPIFFFKTTCSNPENLNHNVCYNEV
ETAFCVCKKKIGLRIAIPIPGTAIIGSEPLKQLSKIFNHLMCLNHDLMQILNSVIFPGECFDTGIYNTG
RCLRLGFMYKVDEENRFLYGRKPIFIVPEKMKKNFQDFVSMQLDLNNILHHGTDQTITEIISIFDK
ACPTFEFSFIDSRTKQLYHRKQSSLETCLKYLHVNGFSETSCLSRDDLMTFTRSIAPQMLKKNIQHCE
ARTATQFQHVTFCLKIDHKNIQLKKLQNGKLSDFSCLTRNHKGNRENVLYLEFKVDNRRILILWSKCF
TKCKSNSKQVHSSVVLDSLNM

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NC_001716

ORF Size: 2583 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_073783](#)

RefSeq ORF: 2583 bp

Locus ID: 3289501

MW: 101.1 kDa