

Product datasheet for **VC101391**

U43 (NC_001664) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U43 (NC_001664) 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 VC101391 represents NCBI reference of NP_042936 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACAATCGTTGTTTTGCCACCGAGTACGATGCTGCTAATGTCATCTTTAGCATACTCTGCCGGTCCC
CGTCCGAGCATCTGATCTTCCCAATTATAGTGAATACAAACCAAGTAATAATGTCAGCTTCTGCCTGCA
GACTCAGAAGTGAAGAACAGCAAAAGGATTGATACCGTGTTCGTCGCCACGCCGAAAAGCTGAATCTC
TCACACTACATACAGACAGCATACCAATCAAAGCCGAAGATGTCGCCAACAGTTTGAACGATAAAGAAA
CCGAGTCACTGTACGTGGACATGATCCTCTCCCAAACCGGAAAGAACCGGAGGATGTAGAGTTAAATA
TATGGCATACTTTCACAAAAGTCTGATCATCAAATACCTGACCGAAAAGTTTCTGCTGCCTACATCTCCA
TTCTGGTTCTCTACTTACGGGCAGACAGGGGCATGCTGCTGTTGACCATGTTCTACTACCTGTTCCG
AGGAGCAGAAATCAACCATTACGACGACTAAGAATTATGTTCAATGTTTCCCGAGAACACAGGCAACAT
GGTCTTACATACTCTAGCATGTCCGAGTTTATCAATATAACTCTGAAAAGCAAGTTTAGGAAACTCTTT
GCAGACTTGTAGTACCTACGCCAGACAGAAAAACCTCCGGGACAAGGAGGAATTTAAGCATCTGGATACAC
AGATTAACCTCTTCCGCAAGAGCTCCCATCTGACAAAACCTTTTCGAGTGCATATATTTATATAGCCTA
CAATACCGCTCTGGAGACCACCAAAATTTGTGAATTACTGCAACCTCACCTTTACGATTCTAATCTCCCT
ATTGGTCAGCAATGCCAGCGAACCTGCATATCCTCGGTAATTCCTCCACGAGAATCTGCTGTGTATCA
TGAAACAGTATTTCAACGCAGATTGTTACTTCAAGACTTACATCGACATCAAGAGGCTGAAGAATCTAA
CCTCAATGTCACGAATACGAATATGCCCTGGTGTCCAAAAGAAAATCTCAAGCCCTCACACGCGAG
CAAACTCACTCGACAAATAGCTAAATGTAACAAGAATGGGGAGGGTCTGTTTTCTCCAGTAAAGCCTGGGC
TCCAGGGCTGCTGGAGATATCTGCATCCGACAGATACGTTTCAGATCCAGGACAAGAGAATCTACCGCCG
CCAACACCTGCACAAGGACTATCACCGCCATTCCCCGTGTTTAGAGTGCAGTTGCTGCACAAGAATC
TTTTGCTTTGGCAACTCAGAGGATTGGTATGAAAACATGGGCTTCAATAGAATATTGCAATATCTCCCGG
ATGAATATATATCCGACGAGGCCCTGACGAGAGCCATCTGGTGCAGGACACCCACTTCTGTGTATGA
TGTGAAAAGCAATTCTACACCACGCGGCAGAAATCTTCAACGAGAGGATCCCCGTGACTAACTACATC
GGCGACCTCGACCTGCCCTTACAGACACCGCAACCATAACCGAAGAGACATTTTTTAGCATGTGTCCGC
TGATTCGCCTCACCTCATCAATGCCTGGAAGAAGATCTTCCCTCAATCGATACAGACACTCATCTAT
CTTTTTCTTAAAGACACAGTGCACACGACCAACGACACTCTCGACTATACCGAAGACCCACAGAAATC
AAGCAGTTTTGCGTATGTAGAAAGAAAATCGGGCTTCGAATCAGCATCCCATTGCCTAATGGAACAGCTA
TTGCCGGCGGGAACCTTTGAAACAGCTTTCGAAGATTCTTAACCATGTAATGTGCTGGACCAGGAACT
CAGCCAGATACTCAATTCTATCACCTTCCCCGCGAATGCTTCGACATTGGCATCTATCACACAGGACAC
TGCATACGGATTGGATATATGTACAAAACCTGACATGGATAAGGGGAAGATGCTCCATGGACGGCTTACAC
CAATCTTATTGTCCCGAAGGCTATAGGAACAGTTGCAAGACCTTTATACAAATGCAGATGGATCTCAA
CAATCTCTGCATCATGGCACAAAAAGGCCCCATTGAGGAGCTGATCTACAATATTACAGATAAGGGG
TGCCAAAAGGAGAATCTTAGTTTTATGGACCTGAAGAGTAGGCAGTTGTGGAACAAGGTGAACATAGCCA
CCGAAACACTCATAACGAAATACCTGAACACTCATGGCTTCAATAATAACGCCACAAGCGTGCACGACAG
CTTGCTGTCTTTCATCCGCTCATAGGCTGGCCTATAATAAAAAACAACCTCATCACACTACGAAACA
AGAATCGCCAGCAGTTCTCTCAGGTTACTTTTATAAAAAATTGATTCCAAGAATCTGCAAAATAAAAAGA
CCCAGTTTGGGCGGTAAGCGACTTTTCTGCCTCAATCGCCAACACAGAGGAAATCGAGATAATGTTCT
GGTCTATATTAGCTGAAGGCGGACGAAACCGGCTGATTCTGATTCTCTGGAGCACCTGCTTGCAACT
AAATGCCAGTCTAACTCCAAGCAAGTTCATTGCAGCATAGCGCTGGAGCAGCTGAAGAAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC101391 representing NP_042936
Red=Cloning sites Green=Tags

MTIVVFATEYDAANVIFSILCRSPSEHLIFPIIVKYKPSNNVSFCLQTQKCKNSKRIDTVFVCHAEKLNLSHYIQTASPIKAEDVANSLNDKETESLYVDMILSQTGKEREDVEFKYMAVFHKSLIIKYLTKGFLLPSTPFWFLSTYGQTEGMLLLTMFYLLFEEQKSTITTTKNYVQCFTEENTGNMVFYSSMSEFINITLKSFRKLFADFSTYARQKNLRDKEEFKHLDTQINLFRKSSHLTNTFRVHYIYIAYNTALETTKFNVCNLTSYDSNLPIGQQCQRNLHILGNSLHENLLCIMKQYFNADCFKTYIDIKRLKNPNLNVTEYEYALVSKKTIQALTSEQITRAIAKCNKNGEGLFSPVKPGLQGLLEISASDRYVQIQDKRIYRRQHLHKDYHRPFPVFRVQLLHKNIFCFGNSEDWYENMGFNRIQLPDEYISDEALTRAIWLQDTHFLCDDVEKQFYTRRHEIFNERIPVTNYIGDLDLPLQDTATITEETFFSMCRLIRLTLINAWKKIFPSIDTDTHPIFFFKTQCDTTNDTLDYTEDPTEIKQFCVCRKKIGLRISIPLPNGTAIAGGEPLKQLSKILNHVMCLDQELSQLNSITFPGECDIGIYHTGHCIRIGYMYKTDMDKGKMLHGRLTPIFIVPEGYRNSCKTFIQMQMDLNNLLHHGTTKAPIEELIYNITDKGCPKENLSFMDLKSRLWNKVNIATETLITKYLNTHGNNNATSADDSLLSFIIRLIGWPIIKTQLITHYETRIAQQFSQVTFIKIDSKNLQIKKTQFGRVSDFSLNRQHRGNRDNVLYIQLKADGNRLILILWSTCFATKCQSNKQVHCIALEQLKN

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NC_001664

ORF Size: 2580 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_042936](#)

RefSeq ORF: 2580 bp

Locus ID: 1487921

MW: 100.1 kDa