

Product datasheet for **VC101484**

U43 (NC_000898) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U43 (NC_000898) 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 VC101484 represents NCBI reference of NP_050224 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACTATAGTGGTTTTTGCACCGAGTACGACGCTGCCAATGTGATCTTCTCCATTTTGTGCAGATCCC
CATCCGAGCACTTGATTTTCCCAATTATCGTCAAGTACAAGCCTAGCAACAATGTGAGCTTCTGCCTGCA
GACCCAGAAGTGCAAAAATTCGAAGCGGATTGATACAGTTTTCTGCTGCCACGCAGAGAACTGAACCTC
TCACACTACATCCAGACCGCATCCCCATAAAGGCCGAGGACGTGGCCAATTCACTGAATGACAAGGAGA
CAGAACTCTGTATGTCGACATGATTTTGTACAGACCGGAAAGAGAAAGAAGATGTGGAGTTCAGTA
CATGGCCTACTTTCACAAAAGCCTGATCATTAAATATCTCACAGGTAAGTTCCTTCTGCCTACTTCTCCA
TTTTGGTTCCTGAGCACTTATGGACAAAACGGAAGGCTGCTGTTGTTGACTATGTATTACTCTGTTCCG
AAGAGCAAAAATCCACGATAACCCACCTAAAAATTCAGTCCAGTGTTCACAGAGAACCACCGGCAGCAT
GGTGTTCACCTACTCCTCAATGTGAGAATTTAATATAACCCCAAGTCAAAGTTTCGAAGCTGTTT
GCGGACTTCGCCACTTATGCCAGGCAAAAAGAACTCTGAGGGATAAAGAAGAATTCAGTACCTTGATACTC
AGATTAACCTTTTTCAGAAAGTCCCTCCATCTGACAAAATACCTTTTCGAGTGCACACTACATTTACATAGCATA
TAACACCGCCCTGGAGACTACAAAGTTCGTGAATATTGCAACATCACGAGCTATGATTCTAACCTGCCC
ATTGGCCAGCAGTGTGAGAGGAATGTGCATATTCTCGAAATTCCTGCATGAAAATCTGTTGTGTATCA
TGAAGCAGTACTTAAACGCCGATTGCTATTTTAAAACCTATATTGATATTAACCGCTCAAGAACCCGGA
TCTTAACGTGACCGAGTATGAGTACGCACTGGCCTCAAGAAAAAACTATTCAAGCTCTCACATCAGAG
CAAAATCACGCGCGCAATCGCTAAATGCAACAAAAACGGCGAGGGTTTGTTCCTCCAGTAAACCCAGGCG
TCCAGGGCTTGCTTGAATATCTGCCAGCGATAAATATGTCCAAATTCAGGACAAGAGAATTTACCGCAG
ACAGCATCTCCACAAAGATTACCACCGCCATTCCAGTGTTCAGAGTCCAACCTTCTTCAAGAACATT
TTTTGTTTTGGGAATTCGAGGACTGGTATGAGAACATGGGGTTCAATAGGATCTTGCAGTACTTGCCTGG
ACGAGTACATAAGCGATGAAGCCCTGACGCGAGCGATATGGTGCAGGACACTCATTTCTGTGTGACGA
CTTCGAGAAGCAGTTTTACACCACCAGACATGAGATCTTCAACGAGAGAATACCAGTCAAAAATATATT
GGAGATCTCGACCTCCCCTCCAGGACACAGCCACTATAACTGAGGAGACATTCTTTTCTATGTGTGCGC
TTATCCGATTGACCTTGATTAACGCCTGGAAGAAAATTTTCCCAGTATCGATACCCATACCCATCCCAT
CTTCTTCTCAAGACCCAGTGTGACACTACAAACGACGCACTGGATTACACTGAGGACCCCACTGAGATT
AAGCAGTTCTGATTTGCAGAAAGAAGATCGGGCTGCGAATTTCTATTCTCTGCCCAACGGCACTGCCA
TTGCCGGGGCGAACCCTGAAACAGCTCTCTAAAATTCGAACCACGTTATGTGCTTGGACCAGGAGCT
GAGCCAGATCCTTAATTCATTGACATTTCTGGAGAATGCTTTGACATTGGAATCTACCATACCGGTCAC
TGCATAAGAATCGGCTACATGTATAAAACCGACATGGATAAAGGCAAGATGCTGCACGGCCGGCTGACCC
CTATCTTTATCGTGCCCGAGGGCTACAGAAATTCCTGCAAGACGTTTATTGATGCAGATGGACCTTAA
CAATCTGTTGCATCATGGCACCAGAAAGCTCCTATCGAAGAAGTATATTCTATTACAGACAAGGGC
TGTCCTCAAGAGAACCTGTCTTCATGGATCTGAAGAGTAGACAGCTCTGGAATAAAGTGAACATTGCTA
CAGATACTTTGATCACCAGTACCTCAACACTCACGATTTAAACAATAATGCGACATCAGTGTGATTC
TCTCTGAGCTTCAATTCGCTGATTGGATGGCCATAATTAAACTCAACTGATCACCCATTACGAGACC
AGAATCGCCAGCAATTCCTCCAGGTTACCTTCTGAAGATCGACTCCAAAAACCTGCAGATTAAGAAGA
CACAGTTTGGCCGAGTGAAGGATTTAGTTGTCTGAATAGACAGCACAGGGGGAATAGAGACAATGTACT
GGTGTATATACAGTTGAAAGCCGATGGAACCGACTGATCCTCATCTGTGGAGCACTTGCTTCGCTACT
AAATGTCAGAGCAACTCCAAACAGTCCACTGCAGTATCGCACTGGAACAACCTGAAGAAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC101484 representing NP_050224
Red=Cloning sites Green=Tags

MTIVVFATEYDAANVIFSILCRSPSEHLIFPIIVKYKPSNNVSFCLQTQKCKNSKRIDTVFVCHAEKLNLSHYIQTASPIKAEDVANSLNDKETELLYVDMILSQTGKEKEDVEFKYMAVFHKSLIIKYLTKGFLLPSTPFWFLSTYGQTEGLLLL TMYYYLFEEQKSTITTTKNYVQCFTEGSMVFTYSSMSEFINITLKSFRKLFADFATYARQKNLRDKEEFKYLDTQINLFRKSSHLTNTFRVHYIYIAYNTALETTKFNVCNITSYDSNLPIGQQCQRNVHILGNSLHENLLCIMGQYFNADCFKTYIDIKRLKNPDLNVTEYAYALASKKTIQALTSEQITRAIAKCNKNGEGLFSPVKPGLQGLLEISASDKYVQIQDKRIYRRQHLHKDYHRPFPVFRVQLLHKNI FCFGNSEDWYENMGFNRLQYLPDEYISDEALTRAIWLQDTHFLCDDFEKQFYTRRHEIFNERIPVTNYIGDLDLPLQDTATITEETFFSMCRLIRLTLINAWKKIFPSIDTHTHPIFFFKTQCDTTNDALDYTEDPTEIKQFCICRKKIGLRISIPLPNGTAIAGGEPLKQLSKILNHVMCLDQELSQILNSLTFPGECFDIGIYHTGHCIRIGYMYKTDMDKGKMLHGRLTPIFIVPEGYRNSCKTFIQMQMDLNNLLHHGTTKAPIEELIYSITDKGCPKENLSFMDLKSRLWNKVNIATDTLITKYLNTHGFNNNATSADDSLLSFIRLIGWPIIKTQLITHYETRIAQQFSQVTFCLKIDSKNLQIKKTQFGRVSDFSLNRQHRGNRDNVLYIQLKADGNRLILILWSTCFATKCQSNKQVHCIALEQLKN

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NC_000898

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_000898.1](#), [NP_050224](#)

RefSeq ORF: 2580 bp

Locus ID: 1497045

MW: 100.0 kDa