

Product datasheet for **VC101496**

U55 (NC_000898) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U55 (NC_000898) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U55
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 VC101496 represents NCBI reference of NP_050236 with codon optimized for human cell expression
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGCTCTTCAAGAACACACTGGCTTATTATAATTTCTCCATAACCTACACTCAGGATTATAAAAACACAC
 CAAGGCTCAATACTAGAGTTCTCCATCCCTCTTGAAGATCACATCATCCTTGAAGAAGACGCAGTACCT
 TAAGTCTAAAGTGAAGCATAAAATGTTTTTTGCACAAACATGTACAGCCCTCAGCTGAACCATGTACTG
 CAACTTGTGTTGATTGCAACCACATCGTGCCGAATAGCTACCAGGAGATAAACTGAAATGTGGATCA
 GCTCTACTAAACCAGGCATCCTTTCATCACCGACGGAACCGAGTCCGAGACAGAAGATGTGCTCTCGA
 TGTGCAGTTCTCGAAAATACCATGACTATTAATCAAATATTGCCATCTCAAGAACCGTCCGGTA
 CGCATCCACCTGTCTCTATCCCATTACCTTCCAGCCGGCCCTGGAATCGACGACATTAATGCAC
 TCTGCCAAAAGGAAAATATAGATCCAATTGTCTACGAGCAGTACGGTCTTACCAATATGCCAATCTCTAC
 TACCAATGTCATTAACCGATTTAAGGTGGTGTCTAACGACAGTGTAGAGACTAGTCTGATCCTGTTGAAC
 CTCTCTTGGACAGAGTCACCTACCAGTCACAAAAGCTGGATCCGTACGGGCGGAAGTTGTTGATCGTCT
 TCTCCGTGTTTAGTATAGACACCAGGAAATGTTTACTACTGGAAAAACCTCTTTAAAAGCATGATTCTCT
 TTGCCGGTGAACATGATCTCCGAGCCCGCATCTCTACTACAAGATCGAGTTCAACGACCCCTCTTG
 ACCATCTTTCTGCGCAACGTAGTACTCCCTGAGAATGAAAGAAGATCCCCATTACCAAAGAGTGCATC
 TCCGATTGACATTTTACCACCAAATCGCAGTACAGTTACCCTGAATATGAACATGCCTTACTTCAAGAT
 CTGCGCCGATGGAAGTCACTGGAGTGTTTTTCCCGAGGATATGTCCTCGTATCAACACAAACAAG
 GAAATACGCTGCGAGGAAAGTTACAACAAGAAGATCGTCCGGATATTTATCCCGTACAGACCCATG
 TCTTCAAGCTGTATCCATTTCTCTGGTTCCGACAAAGAACCCTGAAACTCCGCATCTCTGCGAGAAGAC
 CGTCTCAGTCACCGAACATGACATGCTGGGAGAAATCTTTTTGTCAAAAGAAGCTTTTCAAAAAGCCA
 TTCCGAAGCCTCTCCAATAGCGACATGAAGTCACTGCTTACGCATACTGAGAACACGGACAAACCTTTG
 AGGTGCACTTTATGGTAATTGTTTCCAGCCTATCTGCTCCAGAACTGACTCTCCACCCACTGGAGTA
 TGAGGACAAGCCCGCACGGGGAAACCCCAATCTCCCGTCCGTGGAGAAGCATAGCATTATCAAATG
 AGAATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101496 representing NP_050236
Red=Cloning sites **Green**=Tags

MLFKNTLAYYNFSITYTQDYKNTPRLNTRVLHPSCKITSSLKKTQYLKSKVKHKMFFCTNMYSPLNHVL
 QLVFDCNHIVPNSYQEITLKCRISSTKPGILFITDGESETEEDVLFQVLENTMTIKIKILPISRTVPV
 RIHLFSIPIYLPSPALEIDDINALCQKENIDPIVVEQYGLTNMPISTTNVINQFKVVSNDVETSLILLN
 LSWTESPYQSQKLDYGRKLLIVFSVFSIDTRKCSYWKNLFKSMIPLCRVNMISEPGISYKIEFNDFPL
 TIFLRNVVLPENERRFPITKECYLRLTFSPNRSVTLNMNMPYFKICADGKSLEVFPPSMDSLVINTNK
 EITLRGKFTNKKIVGIFIPVQTHVFKLYPFLWFAQEPLKLRISCEKTVSVTEHMLGRIFVTKLFRKP
 FRSLSNSDMKSLLTHTENTDKPFEVHFMGNCFPAYLLPELTLHPLEYEDKPARGNPQILPVEKHSIIKM
 RI

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NC_000898

ORF Size: 1476 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_050236](#)
RefSeq ORF: 1476 bp

Locus ID: 1497057

MW: 57.2 kDa