

Product datasheet for **VC101405**

U55 (NC_001664) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U55 (NC_001664) 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 VC101405 represents NCBI reference of NP_042948 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTTTAGCCCCAGCTCAATCATGTCCTGCAACTGGTATTTGATTGTAATCACATCGTGAGTAATCTT
 ATCAGGAGATTATTCTGAAATGCAGAATCAGCTCAACTAAACCAGGCATCCTTTTTATTACAGACGGCAC
 TGAATCCGAGACAGAAGACGTGCTGTTTCGATGTGCAGTTCCTGGAGAAAACAACAACCATCAAGATTAA
 ATTCTCCCAATCTCCAGGACCGTCCCCTGAGGATCCACCTGTTCTCTATTCCCATCTACCTGCCAAGCC
 ACGCACTGGAGATCGACGATATTAATGCCTTGTGCCAGAAGAAAACATAGACCCAACCGTGTATGAACA
 GTACGGCCTGACCAACATGCCATTTCTACTACCAACGTTATCAATCAATTCAAAGTGGTTCAGAATGAC
 AGCGTGGAGATGAGTCTCATTCTTTTCAACCTGAATTGGACCGAATCCCCCTACCAGTACAGAAGCTCG
 ATCGATATGGCAGAACTGCTCATCGTATTTTCACTGTTTAGCATTGACACCCGGGAGTGCCCTTATTG
 GGAGAATCTGTTTAACTCTATCATTCTCTGTGCCGCGTCAACATGATTAGTGAGCCTGGAACTCCATC
 TATAAAATCGAGTTTAAACGACCCCTTCTGACAGTATTCTGCGCAATGTCGTGTTGCCAGAAAATAAAA
 GAAGGTTTCTATTACGAAAGAGTGCTATCTTAGACTGACTTTCTCTCCCCTGATAGGAGTACGGTAAC
 TCTGAACATGAACATGCCCTACTTTAAGATCTGCGCGGATGGCAAAAACCTGGAAGTTTTCTTCCAAAC
 GATATGAGCCTCGTCAGCAATACCAACAAGGAAATTACCTTGAGAGGGGAGTTCACTAACAAGAAAATTG
 TGGAAATTTTATCCCGGTGCAGACGATGTGTTCAAACCTATCCATTCTGTGGTTCCGCCAGGAGCC
 TCTGAAACTCCGATTTCTGCGAACGCACAGTTTCAGTAACGGAACACGATATGCTTGAAGGGTTTTCT
 TTTGTGACGAAGAAGCTTTTTCGAAACCCTTCCGGTCCCTGTCCAATTCTGATATGAAATCCTTGCTTA
 CCCACACAGAAAATACCGACAAACCATTTGATGTGCACCTTATGGGCAACTGCTTTCCGGCCTATTTGCT
 CCTGAACTGACGCTGCATCCCCTTGAATATGAAGATAAACCCGCTCGAGGCAACCCGACAGCTGCC
 TCAGTGGAGAAGCACTCCATTATCAAAATTAGAATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101405 representing NP_042948
 Red=Cloning sites Green=Tags

MFSPQLNHVLQLVFDNHIIVSNYSQEIILKCRISSTKPGILFITDGTSETEDVLFVDFVQFLEKTTTIKIK
 ILPISRTVPVRIHLFSIPIYLP SHALEIDDINALCQKENIDPTVYEQYGLTNMPISTTNVINQFKVVQND
 SVEMSLILFNLNWTESPYQSQKLDTRYGRKLLIVFSVFSIDTRECYPWENLFKSI IPLCRVNMISEPGISI
 YKIEFNDPFLTVFLRNVVLPENKRRFPITKECYLRLTFSPDRSTVTLNMNMPYFKICADGKNLEVFPPN
 DMSLVSNTNKEITLRGEFTNKKIVGIFIPVQTHVFKLYPFLWFAQEPLKLRI SCERTVSVTEHDMLGRVF
 FVTKKLFRKPFRLSNSDMKSLLTHTENTDKPFDVHFMGNCFPAYLLPELTLHPLEYEDKPARGNPQTL
 SVEKHSIIKIRI

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC_001664

ORF Size: 1296 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_042948](#)
RefSeq ORF: 1296 bp

Locus ID: 1487937

MW: 50.2 kDa