

Product datasheet for **VC101408**

U58 (NC_001664) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U58 (NC_001664) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U58
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 VC101408 represents NCBI reference of NP_042951 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGCAACATACAGGAACTGCGAGACCTTGATAGTTAATAGTGTCTCGGCTCAACTTGGCAAGATCCA
TCCTGTTTTTATCGATTATGCGATTTGACTGCTGAGGTGAGTCGGGATGAAGAAACAAGGCTGGCCCG
CTCCATGCCTGTGGTGTGGAGAAGATAGAAAGTATTATCGAGAAAATCTCCAGACCAGTGGTCCCAAC
ATCGTGCACGACAAAGACCGGGCAAAGATTGCCCTGTGTCGGCTTCTGCTGGGCCAGTAGCCGTGCCCT
GCTTCTGCGAGGAATGGGACACTAATGATTATCTGTCTAAATCCGGATGTAATGCATTGGCCCTATACT
CTATATCCACACAAGTCGCTGCCGCTGCTGACATTCCTGTTCAAATTTCCATCATGAAGGACTAC
TAGCCTCCCATGTGTTCCGAGGTCTGCTTAGCCTGAAAGAATGGAATACTCATCTGCCTAATGTACTTT
GCACTTGTGAGTTGCCATGTGAGACCGCTACGTGGCTACCGTCTACCCGAAGCAGAAGTCCATTTATCT
GGAATACTACCCCTACTTCTGTGCTACCTCTGTAGACATCTACTGTGATCGAGATTGAACAATGCACA
AATGATCTGATAAGCCTCCTTGGCCCAAAGGTCGCGCAACGAGTAATCATTCACTTCAAGCTCCTCTTTG
GGTCCGGCATAAGCCGCACATCGGAACCGTCGATAGCTGGTCTGGGAGAAATTTCTTTATGCTCGAACT
GCATAAATTTGGGCTGACAGTCGTCAAACATAACCGGGTTACTACTGACTTTTTTAAACGTTGTTACGAG
AAGATCCAAAATTACAAGCAGTACGCGATTAAGACCCTGAGAATGAGCAGCAAAGCAGTCCCCGCAATTC
AGCGCCTGTGCCCTTGCCAAATTTAAGCAGCAGCTGCTGTATCTCAACATAAAAGTCACGGTGAAGAAAA
TAAACGCGAAATGTCCGTAACGGATTCGTGTATGGGAAAACACTGTATGTCGAGAGTCTCACAGCTG
ATCTTCAGAAATCTGCTGCTGTATTACGATTACTCCCTCCAGACGAGTGTAAAACCAACGAGGAGA
ACGTGCTCACCGCCACTACATTCGGGTGATCAGCAGACTGAGTTTTAAGCGGTCTCGCAGCGCTCTGCC
CCCTGGCGTTAGACCTGATTTTCATCTTTGTCGCCCAACAGCCAAAAGAAAAGAACTTCCAACGTGCCG
GGCGGGATTGATTTGCTGAGATCACCAGTGTGAGACATGGCGCAGTGCATTGAACGCCTTCAATACTA
ACAAAAGTGAAGTGAAGGCCACGATTAGCAAAAGGGCTAATTTGCTTACCATAGAAATCCAAAAAC
CATGACCCATAGCTTCGTGATGTACAAGCATACATTCAAGGAGCCAGCCTTACAGTGTCCACCTTTGTG
TCCAACGACGATTTGGACATGTCCAGTCTAATATCAACATTCGGGGTCCCTATTGCGACTTTCTCTATG
CATTGGGCGTGTACAAAATGCACGTCTCTATCAGAGACCTGTTCTTGCCGGCGTTCGTGTGTAACCCAA
TAACTCTGTTGACCTTCAGGGCCTGGAGAACCAAGACGTGGTGGCAATCGCAAGAAAAGGTGTACTGG
ATTACAAAATTTCCCTGCATGATCTCCAATGCTAACAAGGTGAACGTCCGCTGGTTAAGGCCGGGACAG
GCATCATTCCCGGGTGTCTGGCGAGGACCTGCAGAACGTTCTGCTTCAGGAGTTGAACAACGTTGAGA
GATCCCAGGGCTGGTGTTCGATATGGATCTGCACCAGCTGCTGGTCTGTTGGAACAGCGCAACCTTAC
CAGATTCCTTTCTCGTGAAGCAATTCCTATTTTCTTAGGCTGGGCCTTCTGATGGGTACGGGCATT
CCCGGAGGAACAAGTCCACGACATTATGCTGCATCTGATCTCAAACGGTCTGTTTGATTCAACAAAA
CAGCGTGGCTAATACAAAATCAAACACGGATGCGCTCTGGTGGGAACCCGGCTTGCTAATAACGTGCC
AAAATCATCGCGGACAAAAGAAGATGAAGCTGGACCATATGGGCCGCAATGCAAACTCACTGGCCGTC
TTCGCTTCATCGTGAAATCTGGCGAACGAAAAATAAGACCGTGTATTAAGCTGCTGGAGTACCTCGC
CGAAACATCCACTGCCATTAATACTAGAAACGAGGTGCCAGGCTTCTCCAGACGCTCACAGCTAAGGTG
AAGACA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC101408 representing NP_042951
 Red=Cloning sites Green=Tags

MQHTGNCETLIVNSCFGSTCARSIPVFDSCDLTAEVSRDEETRLARSMPVVLEKIESIEKIFQTS GPN
 IVHDKDRAKIALCRLLLGPVAVPCFCEEWDNDYL SKSGCKCIGPILYIHTSRCRCS DIPVFKFSIMKDY
 YASHVFRGLLSLKEWNTHLPNVLCTCELSMSDRYVATVYPKQNSIYLEYYPYFLCYLCRHLTVIEIEQCT
 NDLISLLGPKVAQRVVIHFKLLFGRHKPHIGTVDSWFWENFFMLELHKLWLT VVKHNRVTDFFNVVYE
 KIQNYKQYAIKTLRMSSKAVPAIQRLCLAKFKQQLLYLNIKVTVKKNKREMCLNGFVYGTKLYVVESSQL
 IFRNLLLLYYDYSLPDECKTNEENVLTAHYIRVISRLSFKRSRSALPPGVRPDFIFVAQQPKRKELPNVP
 GGIDFAEITSVRHGAVTLNANFNKVMNLKATISKRANFVYHRIPKTMTHSFV MYKHTFKEPAFTVSTFV
 SNDDLDMSSLNINIRGPYCDFLYALGVYKMHVSIRD LFLPAFVCSNNSVDLQGLNQD VVRNRKKKYVW
 ITNFCMISNANKVNVGWFKAGTGIIPRVSGEDLQNVLLQELNNVREIPGLVFDMDLHQLLVLEQRNLH
 QIPFLVKQFLIFLRLGLLMGYGHSRRNKVHDI MLHLISNGLDFNKNVANTKIKHG CALVGTRLANNPV
 KIIARQKKMKLDHMRNANSLAVLRFIVKSGEQNKTVF IKLLEYLAETSTAINTRNEVARLLQTLTAKV
 KT

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NC_001664

ORF Size: 2316 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_042951](#)

RefSeq ORF: 2316 bp

Locus ID: 1487940

MW: 88.7 kDa