

Product datasheet for **VC101600**

U58 (NC_001716) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U58 (NC_001716) 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 VC101600 represents NCBI reference of YP_073800 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATCGATTCCATTAGCGAAGAGACGCTGATCGTGAAGTCTATACGGTCAACCACTGCGCTAAAAACG
TTCCAGTCTTCATCAACTCATATGATTTGACCGCCGAGGTTGCCAAGAACGAGGATGTCAGGCTCGCCCG
GCAGGTCCAGATCTCATTGGAGAAAATCGATGAAGTTATCGAGTCTATTTTCTCTGCATCCGGACCTCA
GTGGAAAATGTTAAAGATCAGGCTAAGTTTGCCTTTGCCGGCTGCTGTTGGGGCCAGTCTCTATCCCT
GTTACTGCGAAGAATGGGATGTAATTTTTACCTTACCAAGTGTCTATATAACTGCGAAGGCCCTGTGCT
CTATATTTACAAAACGCTTCAATGTTGCGAGTCCACATATCGATTTCCATAATGACCAATTACCAT
TCAACACACATCTTTCCGGGACTTCTTAGCCTTCAGGAATGGAATAGCCATCTGTCCAATATTCTCTGTA
CATGTAGCAATGTTACCGGAGATAAGTACACCGGACTATTTTCTTAATAATGTAGTATTTACCTGGA
GTACTACCCTTACTTCTTTGCTATCTCTGCAAACACCTCTATTATTGACATAGAGCAGTGCACCAAC
GAGCTGATTGCATTCTTGGACCAAGACCTCCCAAAGGATAATTATCCATTATAAGCTGCTGTTTGGCT
TCAGGAGTAAGCCAATGAATTTACCGTAAAGCCTCCTCGAGCAGGCTTCACTCTGGAAATTCAAAAGCT
TTATTACAGTGTGAGTAAAGCACAACCTACTACGGCTGATTTCTCAACGTCACTACTGTAAGTTTGTG
GAGGACAAATACTTTGTCCTTAGGACATTCAAGCTTTCTGCACAGATCACGCCGGGGATCCAATCATTTT
GCTCCCTGAAATTCAAATGCAAACCTCTACCTCAACCTCAAGATCATGAAAAACCAAGCTGTCCAT
ATCTAATTCCTTTTACCATGGCAAGACTCTATACCTCGATGAAAAGCAGCTCGTGTGGAGGAATCTG
CTCCTGATCTACTACGGATAACAATCTGAAAGACAATGTGAAGCAAACACAGGAAGAGTCTCTGCTCAGTA
TGCAATATATCCGGATTCTCGAGAGGCTCAGCCTGAAATCTTTTCCGGGAGATCAATCAACAGTTCGCTT
TGAAATCCCTTATATCAAGAAAAGACGCTTCAAGTTTATACCAGGCGGGAACGACTTCGACAGAAATCACC
TCCGTCACGCATGGAGAGACAACCGTGAACGCCTTCAACACCAACAGGATGATGAACGTTAAGGCTGCAC
TGAGCGCGGAAATTCATTGCGTCTCCATAGAATACCAAAGTCTATGACGCACTCTTTTGTGATGTACAA
GAGGACATTCAAAGAGCCAGCCTCACGGTGAACCTTTATATCTAACGATGATTTACCACATCTTCC
TTGAATATTAATATTCGCGGACCCTACTGCGACTTTCTGTACGCTCTGGGCGTTTATAGGCTCCACGTCA
ACATCCAGGACTCTTTTCTGCCGCATTCTGTGCAACAGCAATAACAGTATGGACCTCCACGGCTTGA
GAATCAGGGCATAGTGAGGAAAAGAAAAAAGGTCTATTGGATCACCATTTCATGTATGATTAGC
AACTCCGAAAAGTTAACGTTGGCTGGTTCAAGGCGGAACCGGATTATTCCAAAGTTAGTGGGACTG
ATCTGAAGAATGTGCTTCTGAAGGAATGATCAGCATCGGAGAAATTCCTAACATCACATTTCGATATGGA
CCTTATGCCCTGCTGACCTTCTGGAGAAACGCAACATGCATCAAGTACCGTTCCTTATCAAGCAGTTC
TTCATGTTTCTGAGACTGGGCTGCTCGTGGGCTACGGTCCGAAAGCAGGAGCGAAAAGTGCACCATATCA
TGCTCTTCTTGATTGAGAAGGGTTTTTTCGACTTTTCTAAAAACAGCGTAGCAAAATAGCAAGATTAACA
CGCTTGTGCTCTGGTCGGCAGCCGCTTGCAAAACGTCCTCAAGATCTTGTCTAACAGAGAAGATG
AAGCTGGACATTTGGGCAGGAACGCAACGCCTTACAGTCTTAGATTTATCGTTGAGAACGGATATT
ACAAAAGGAAGACCATCTTTAGAAAACGCTTAAAGTATCTGGCAACAACAGCTTCAACGGCAGCTTCA
GACTGAATCTAACAGGTTGCTCAATTTGATGCATAATGACTCTAAGACAAATTTAGTTCTCTCGAACGC
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

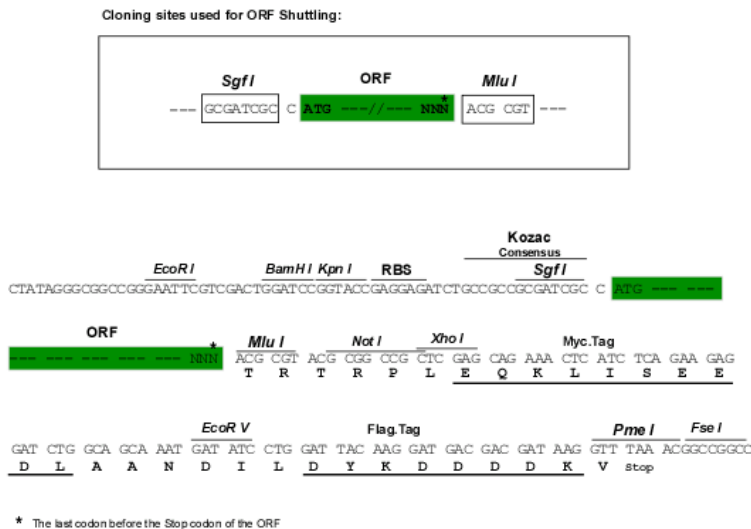
Protein Sequence: >VC101600 representing YP_073800
Red=Cloning sites Green=Tags

MIDSISEETLIVKSYTVNHCANKVPVFINSYDLTAEVAKNEDVRLARQVQISLEKIDEVIESIFSASGPS
 VENVKDQAKFALCRLLLGPVSI PCYCEEWDVNFYLTCKSYNCEGPVLYIYKNASQCCESTYRFSIMTNYH
 STHIFRGLLSLQEWNSHL SNILCTCSNVTGDKYTATIFPNNASIYLEYYPYFLCYLCKHLSIIDIEQCTN
 ELIAFLGPKTSQRIIH YKLLFGFRSKPMNFTVSLLEQVFTLEIQKLYYSVSKHNSTTADFFNVITAKFA
 EDKYFVLRRTFKLSAQITPGIQSFCSLKFKLQTLYLNLKIMKNTKLSISNSFYHGKTLTYLDEKQLVWRNL
 LLIIYGYNLKDNVKTQEESLLSMHYRILERSLKSFRINQQFRFEIPSYQEKTQLQFIPGNDFAEIT
 SVTHGETTVNAFNTNRVMNVKAALSGEIHCVLHRIPKSMTHSFVYKRTFKEPSLTVSTFISNDDFTTSS
 LNINIRGPYCDFLYALGVYRLHVNIQDFFLPAFVCNSNNSMDLHLENQGI VRKRKKKVVYITNFCMIS
 NSEKVNVGWFKAGTGII PKVSGTDLKNVLLKELISIGEIPNITFDMDLHALLTLEKRNMHQV PFLIKQF
 FMFLRLGLLVGYGRKQERKVHHIMLFLIQKGFDFSKNSVANSKIKHACALVGSRLANNVPKILSKQKMM
 KLDHLGRNANALTVLRFIVENGYKRKTI FRKLLKYLATTSFNAHVQTESNRLNLMHNDSKTNFSSLER
 LYTLR

TRRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001716

ORF Size: 2325 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_001716.2](#), [YP_073800](#)

RefSeq ORF: 2325 bp

Locus ID: 3289518

MW: 89.5 kDa