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Product datasheet for VC101499

U58 (NC_000898) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U58 (NC_000898) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U58
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>The Viral ORF clone VC101499 represents NCBI reference of NP_050239 with codon optimized for human cell expression
Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCAGCACACCGGTAATTGTGAGACCCTCATCGTGAACTCATGCTTTGGATCCACATGCGCTAGATCCA
TACCTGTCTTTATCGACAGCTGCGACCTCACTGCCGAAGTATCAAGAGATGAAGAAACGCGCCTCGCCAG
AAGTGTCCCAGTCGTGCTCGAGAAAATTGAATCAATTATCGAGAAGATTTTCCAGACCAGCGGACCCAAC
ATCGTTCATGACAAAGATAGGGCGAAAATTGCACTCTGTCGGTTGCTCCTCGGGCCTGTGGCTGTACCAT
GCTTCTGCGAAGAATGGGATACCAATGACTATCTCAGTAAGTCTGGCTGTAAATGCCTGGGACCAATACT
TTATATCCACACTTCCCGCTGTCGCTGTTCTGACATTCCCGTATTTAAGTTCAGCATCATGAAAGACTAC
TATGCTTCTCATGTTTTTCGAGGACTGCTCTCTCTCAAGGAGTGGAATACCCACCTGCCAAATGTGCTGT
GTACTTGCGAACTGAGTATGAGTGATAGGTACGTCGCTACAGTGTTCCCCAAGCAGAATAGCATCTATCT
GGAGTACTATCCTTATTTCCTGTGCTATCTGTGCAGGTATCTGACGGTCATCGAAATTGAGCAATGCACT
AACGACCTGATTAGCCTGCTGGGACCAAAAGTGGCTCAACGGGTAATCATACACTTTAAGCTGCTTTTTG
GTTTCAGGCATAAACCCCACATGGGCACCGTCGACTCCTGGTTTTGGGAAAATTTCTTTATGCTTGAGCT
GCACAAGCTGTGGCTCACTGTGGTTAAACACAATAGAGTGACCACAGACTTCTTTAACGTGGTGTACGAG
AAGATTCAGAATTATAAGCAATATGCCATAAAAACGCTGAGAATGAGTTCCAAAGCGGTACCTGCTATTC
AGCGCTTCTGTCTGGCCAAATTCAAGCAGCAGCTGCTGTACCTGAACATTAAAGTGACCGTAAAAAAGAA
TAAGCGCGAGTTGTGTCTGAACGGATTCGTGTACGGCAAAACACTTTATGTGGTGGAGAGTAGCCAGCTC
ATCTTCCGGAACCTGTTGTTGCTTTATTACGACTACTCCCTGCCCGATGAGTGCAAAACTAAAGAGGAGA
ATGTGCTCACCACACACTACATCAGGGTCATATCCAGGTTGTCCTTCAAGCAAAGCCGGTCCGCCGTCCC
GCCCGGAGTCAAGCCCGACTTCACATTTGTTGCCCAGTTGCCTAAACGAAAGGAACTCCCAAATGTTCCA
GGCGGAATTGATTTTGCCGAGATCACCTCCGTGCGGCACGGCGCAGTTATCCTCAATGCATTCAACACAA
ATAAAGTCATGAATCTCAAAGCCACAATTAGCAAAAGGGCGAATTTCGTGTATCACCGAATCCCTAAGAC
TATGACCCACAGTTTTGTCATGTACAAGCACACTTTCAAGGAACCAGCATTCACCGTGTCCACCTTTGTG
TCTAACGACGACCTGGACATGTCCAGCCTGAATATCAACATCCGGGGACCCTATTGCGACTTCCTGTATG
CTCTGGGGGTTTATAAGATGCATGTTTCCATTCAGGATCTGTTCCTCCCAGCATTTGTGTGCAACTCTAA
CAATTCCGTCGACCTGCAGGGCTTGGAGGACCAAGATGTCGTCCGGAACAGAAAGAAGAAGGTCTACTGG
ATAACAAATTTCCCCTGTATGATTAGCAATGCAAACAAAGTCAATGTCGGATGGTTTAAAGCAGGCACTG
GAATCATCCCCAGGGTGAGTGGCAAAGACTTGCAGAACGTGCTTCTTCAGGAGCTCAATAATGTACGCGA
GATCCCTGGGCTCGTGTTCGATATGGATCTCCACCAATTGCTCGTCCTGCTGGAACAGCGAAACTTGCAC
CAGATACCATTCCTTGTCAAACAATTTCTGATTTTTCTCCGGCTGGGCCTCCTTATGGGTTACGGAAACT
CAAGGAGGAATAAAGTGCACGACATCATGCTCCACCTTATATCAAACGGTCTGTTCGACTTTAATAAGAA
CAGCGTCGCTAACACCAAAATCAAGCATGGCTGCGCACTTGTGGGCACCAGACTCGCGAACAATGTGCCT
AAGATAATCGCCCGCCAGAAGAAGATGAAACTGGATCATATGGGGAGGAACGCCAATAGTCTCGCCGTGT
TGAGATTCATCGTCAAATCCGGCGAACATAAGAACAAGACAGTTTTCATTAAGCTCTTGGAGTATCTCGC
AGAGACCTCTACTGCTATCAATACCCGAAATGAGGTCGCTCGCCTGCTGCTGACCCTTACCACTAACATG
AAGACT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

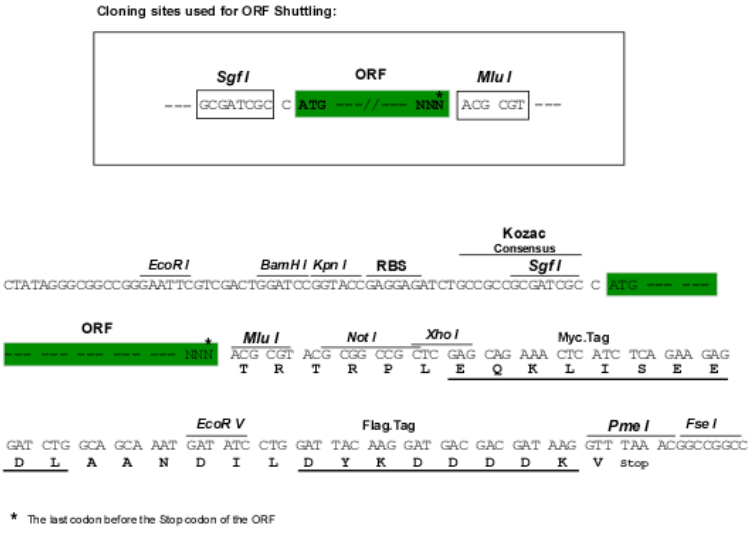
>VC101499 representing NP_050239
Red=Cloning sites Green=Tags

MQHTGNCETLIVNSCFGSTCARSIPVFIDSCDLTAEVSRDEETRLARSVPVVLEKIESIIEKIFQTSGPN
IVHDKDRAKIALCRLLLGPVAVPCFCEEWDTNDYLSKSGCKCLGPILYIHTSRCRCSDIPVFKFSIMKDY
YASHVFRGLLSLKEWNTHLPNVLCTCELSMSDRYVATVFPKQNSIYLEYYPYFLCYLCRYLTVIEIEQCT
NDLISLLGPKVAQRVIIHFKLLFGFRHKPHMGTVDSWFWENFFMLELHKLWLTVVKHNRVTTDFFNVVYE
KIQNYKQYAIKTLRMSSKAVPAIQRFCLAKFKQQLLYLNIKVTVKKNKRELCLNGFVYGKTLYVVESSQL
IFRNLLLLYYDYSLPDECKTKEENVLTTHYIRVISRLSFKQSRSAVPPGVKPDFTFVAQLPKRKELPNVP
GGIDFAEITSVRHGAVILNAFNTNKVMNLKATISKRANFVYHRIPKTMTHSFVMYKHTFKEPAFTVSTFV
SNDDLDMSSLNINIRGPYCDFLYALGVYKMHVSIQDLFLPAFVCNSNNSVDLQGLEDQDVVRNRKKKVYW
ITNFPCMISNANKVNVGWFKAGTGIIPRVSGKDLQNVLLQELNNVREIPGLVFDMDLHQLLVLLEQRNLH
QIPFLVKQFLIFLRLGLLMGYGNSRRNKVHDIMLHLISNGLFDFNKNSVANTKIKHGCALVGTRLANNVP
KIIARQKKMKLDHMGRNANSLAVLRFIVKSGEHKNKTVFIKLLEYLAETSTAINTRNEVARLLLTLTTNM
KT

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NC_000898

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_000898.1, NP_050239
RefSeq ORF:	2316 bp
Locus ID:	1497060
MW:	88.7 kDa