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Product datasheet for VC101386

U38 (NC_001664) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U38 (NC_001664) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U38
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>The Viral ORF clone VC101386 represents NCBI reference of NP_042931 with codon optimized for human cell expression
Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGATTCCGTAAGCTTCTTTAACCCATACCTGGAGGCAAACCGCTTGAAGAAGAAAAGCCGGTCCAGTT
ACATCAGGATACTCCCAAGGGGCATCATGCACGATGGCGCCGCCGGACTTATCAAAGACGTGTGCGACTC
AGAGCCTCGGATGTTCTACCGGGATAGACAGTATCTGCTGAGCAAGGAAATGACTTGGCCCAGCCTCGAT
ATAGCTAGAAGTAAGGACTACGATCATATGAGGATGAAGTTTCATATTTATGACGCGGTGGAGACTCTCA
TGTTTACAGACTCTATAGAGAATCTTCCTTTCCAGTACAGACATTTCGTTATCCCAAGCGGCACTGTGAT
ACGAATGTTCGGCCGCACAGAGGACGGGGAGAAAATTTGCGTGAATGTGTTTGGGCAGGAGCAGTACTTT
TACTGCGAATGCGTGGACGGGCGGTCTCTGAAAGCAACTATCAACAATTTGATGCTTACCGGAGAAGTTA
AAATGTCTTGTTCCTTCGTTATTGAGCCCGCTGATAAACTGTCTCTCTACGGGTACAATGCCAATACCGT
CGTGAATCTCTTCAAGGTTAGCTTCGGAAATTTCTATGTGTCTCAGAGGATTGGTAAGATCCTGCAAAAT
GAGGGCTTCGTGGTATACGAGATCGACGTCGACGTGCTGACACGCTTCTTCGTCGATAACGGCTTTCTGA
GCTTTGGCTGGTACAATGTCAAGAAGTATATCCCTCAGGACATGGGCAAGGGGTCTAATCTCGAGGTCGA
GATCAATTGCCACGTGAGCGATCTGGTGAGCCTCGAAGACGTCAATTGGCCACTGTATGGTTGTTGGTCT
TTCGATATCGAATGCCTGGGCCAGAATGGCAATTTCCCAGATGCAGAGAATCTGGGCGACATTGTTATCC
AGATCTCCGTGATCTCTTTCGACACCGAGGGGGATCGCGACGAGAGACACCTCTTCACTCTTGGAACCTG
TGAGAAGATAGACGGCGTGCACATCTACGAGTTTGCCTCCGAGTTCGAACTGCTCCTGGGTTTTTTTATT
TTTCTCCGAATCGAATCTCCTGAGTTCATTACCGGATACAACATTAACAATTTTGATCTGAAGTACCTTT
GTATCCGCATGGATAAAATTTATCACTATGACATTGGATGCTTCTCTAAGCTCAAGAATGGCAAGATCGG
GATCTCCGTACCTCATGAACAGTACCGAAAAGGGTTCCTTCAAGCGCAAACCAAGGTGTTTACTTCCGGT
GTGCTTTATCTGGATATGTACCCAGTCTATAGCTCAAAAATCACCGCCCAAAACTATAAGCTGGACACCA
TCGCCAAGATTTGTCTCCAGCAGGAAAAAGAGCAACTCAGTTACAAAGAGATTCCTAAGAAATTTATAAG
CGGTCCCAGCGGGCGCGCGGTGGTTGGCAAATACTGTCTGCAAGATAGCGTACTCGTGGTCCGACTGTTC
AAGCAGATTAACTATCATTTTGAAGTGGCAGAGGTCGCTAGACTGGCCCATGTGACAGCCAGATGCGTGG

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TGTTCGAGGGGCAGCAAAAAAAAATTTTCCCGTGTATCCTGACCGAAGCCAAGCGCAGGAATATGATACT
GCCGTCCATGGTTAGCAGCCACAATAGACAGGGAATAGGGTACAAGGGTGCCACTGTGCTGGAGCCCAAG
ACAGGTTACTACGCAGTGCCCACGGTAGTGTTCGACTTCCAGTCCCTGTACCCCAGCATAATGATGGCCC
ACAATCTTTGTTATTCCACCCTGGTCCTCGACGAGCGCCAGATCGCCGGACTGAGCGAAAGCGATATCCT
GACCGTCAAGCTGGGCGATGAGACCCACCGGTTTGTCAAACCCTGTATTCGCGAAAGTGTGTTGGGATCC
CTGCTCAAGGATTGGCTGGCCAAGCGCAGAGAGGTCAAGGCGGAGATGCAGAACTGTTCCGACCCCATGA
TGAAACTCTTGCTGGATAAAAAACAACTGGCCCTGAAGACAACTTGTAACTCCGTGTACGGAGTCACCGG
AGCAGCTCACGGATTGCTCCCATGCGTGGCAATCGCAGCGTCCGTCACCTGCCTGGGGAGGGAAATGCTG
TGCTCTACTGTGGACTATGTAAATTCCAAAATGCAGAGCGAGCAGTTCTTCTGCGAGGAATTCGGCTTGA
CCAGTTCAGACTTTACCGGGGATCTGGAAGTTGAGGTAATTTATGGAGATACCGACTCAATATTTATGTC
CGTGAGGAATATGGTGAACCAGTCTCTCCGACGAATCGCCCCAATGATTGCAAAACACATCACCGATCGC
CTTTTCAAGAGTCCGATCAAACTGGAATTCGAAAAAATTCTGTGTCCTCTGATTCTGATCTGCAAAAAGC
GGTACATCGGAAGACAGGATGACTCTCTGCTCATCTTCAAGGGCGTGGACCTGGTCAGGAAAACCAGTTG
TGACTTCGTGAAAGGAGTGGTAAAGGATATAGTCGACCTCCTGTTTTTTGATGAGGAGGTCCAAACAGCT
GCTGTTGAGTTCAGCCATATGACACAGACCCAGCTCAGAGAGCAGGGGGTGCCGGTGGGAATCCATAAAA
TCTTGCGCAGGCTCTGTGAAGCCAGGGAGGAGCTGTTTCAAAATAGGGCTGACGTCCGACACCTGATGCT
CAGCTCTGTGTTGTCAAAAGAAATGGCCGCATACAAGCAGCCAAACTTGGCTCATCTTTCAGTGATCCGG
CGCTTGGCGCAGCGAAAAGAAGAGATCCCAAACGTGGGCGATCGGATCATGTACGTACTTATTGCGCCAA
GCATCGGCAATAAACAGACTCATAACTACGAACTGGCAGAAGATCCCAACTACGTGATAGAGCACAAGAT
CCCAATCCACGCCGAGAAATACTTCGATCAGATAATCAAAGCTGTGACTAACGCCATTAGCCCGATCTTC
CCGAAGACGGACATTAAAAAAGAAAAGCTCCTCCTGTACCTCTTGCCAATGAAAGTATACCTGGACGAGA
CCTTCTCCGCTATTGCGGAAGTGATG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

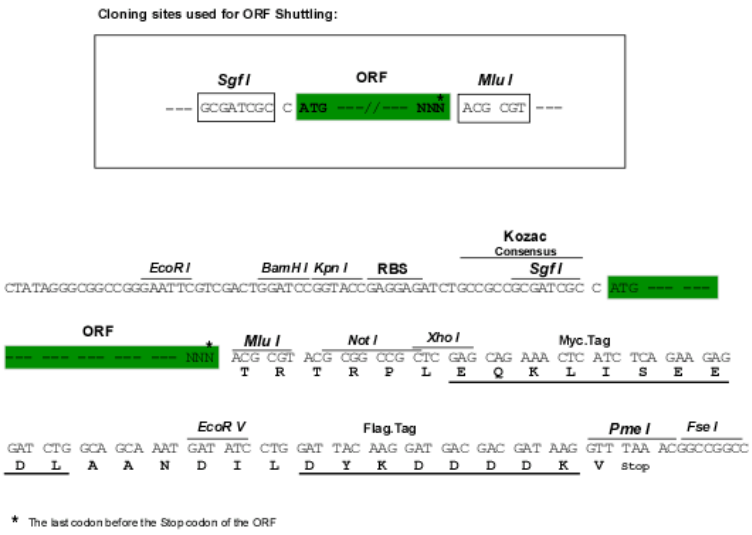
>VC101386 representing NP_042931
Red=Cloning sites Green=Tags

MDSVSFFNPYLEANRLKKKSRSSYIRILPRGIMHDGAAGLIKDVCDSEPRMFYRDRQYLLSKEMTWPSLD
IARSKDYDHMRMKFHIYDAVETLMFTDSIENLPFQYRHFVIPSGTVIRMFGRTEDGEKICVNVFGQEQYF
YCECVDGRSLKATINNLMLTGEVKMSCSFVIEPADKLSLYGYNANTVVNLFKVSFGNFYVSQRIGKILQN
EGFVVYEIDVDVLTRFFVDNGFLSFGWYNVKKYIPQDMGKGSNLEVEINCHVSDLVSLEDVNWPLYGCWS
FDIECLGQNGNFPDAENLGDIVIQISVISFDTEGDRDERHLFTLGTCEKIDGVHIYEFASEFELLLGFFI
FLRIESPEFITGYNINNFDLKYLCIRMDKIYHYDIGCFSKLKNGKIGISVPHEQYRKGFLQAQTKVFTSG
VLYLDMYPVYSSKITAQNYKLDTIAKICLQQEKEQLSYKEIPKKFISGPSGRAVVGKYCLQDSVLVVRLF
KQINYHFEVAEVARLAHVTARCVVFEGQQKKIFPCILTEAKRRNMILPSMVSSHNRQGIGYKGATVLEPK
TGYYAVPTVVFDFQSLYPSIMMAHNLCYSTLVLDERQIAGLSESDILTVKLGDETHRFVKPCIRESVLGS
LLKDWLAKRREVKAEMQNCSDPMMKLLLDKKQLALKTTCNSVYGVTGAAHGLLPCVAIAASVTCLGREML
CSTVDYVNSKMQSEQFFCEEFGLTSSDFTGDLEVEVIYGDTDSIFMSVRNMVNQSLRRIAPMIAKHITDR
LFKSPIKLEFEKILCPLILICKKRYIGRQDDSLLIFKGVDLVRKTSCDFVKGVVKDIVDLLFFDEEVQTA
AVEFSHMTQTQLREQGVPVGIHKILRRLCEAREELFQNRADVRHLMLSSVLSKEMAAYKQPNLAHLSVIR
RLAQRKEEIPNVGDRIMYVLIAPSIGNKQTHNYELAEDPNYVIEHKIPIHAEKYFDQIIKAVTNAISPIF
PKTDIKKEKLLLYLLPMKVYLDETFSAIAEVM

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN:	NC_001664
ORF Size:	3036 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_042931
RefSeq ORF:	3036 bp
Locus ID:	1487916
MW:	115.8 kDa