

## Product datasheet for VC101479

### U38 (NC\_000898) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	U38 (NC_000898) 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 VC101479 represents NCBI reference of NP_050219 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACTCAGTCTCATTTTTAACCCTATCTCGAGGCTAATCGCCTGAAGAAGAAATCCCGGAGTAGTT  
ATATCAGAATCCTGCCCGAGGGATCATGCACGACGGAGCTGCCGGGCTCATCAAGGACGTGTGTGATAG  
CGAACCAAGGATGTTCTATAGAGACCGACAATATCTGCTTAGCAAGGAAATGACTTGGCCTGGACTGGAC  
AGAGTGAGAAGTAAGGACTACGACCACACTCGCATGAAGTCCACATTTATGATGCCGTGGAAACCTGA  
TGTTACACAGACAGCATTGAAAACCTGCCCTTCAATACCGCCACTTCGTGATCCCATCTGGCACTGTGAT  
AAGAATGTTCCGGACGAAGCGAGGACGGCGAGAAGATTTGTGTAACGTGTTCCGGCAAGGCAATATTTT  
TATTGCGAGTGCCTTACCGGCAATCACTGAAAGCAACCATCAACAACCTGATGCTGACAGGCGAGGTTA  
AAATGTCATGCAGCTTCGTGATTGAACAGCCGATAAGTTGTCTCTGTATGGATACAACGCCAACACCGT  
GGTTAACCTGTTAAAGTGAAGTACATTTCCAGGACATGGCAAGGGGAGCAATTTGGAGGTGGA  
GAGGGATTCGTGGTTTATGAAATGACGTAGACGTTCTGACCAGATTTTTGTGGATAATGGTTTCTGT  
CATTTGGTTGGTATAATGTTAAGAAGTACATTTCCAGGACATGGCAAGGGGAGCAATTTGGAGGTGGA  
AATCAATTGTACGTTTCCGACCTGTTAGCCTGGAGAAGTGAATTGGCCTCTGTACGGCTGCTGGTCT  
TTTGACATTGAGTGTCTGGGACAGAACGGCAATTTCCCGACGCCGAGAATCTCGGGGACATTGTGATAC  
AAATTAGTGTGGTGAATTCGATACCGAGGGCGACCGGGATGAGCGACATCTGTTTACTTTGGGGACATG  
TGAGCAATCGACGGCGTGCATATTTATGAGTTCGCCAGTGAGTTTGGCTCCTTCTGGGTTTTTTATT  
TTTCTGCGGATCGAGTCACTGAGTTTATTACAGGCTACAATATCAACAATTTTACCTTAAATATTTGT  
GCATTCGGATGGACAAGATCTACCACTATGAGATCGGCTGCTTCTCAAACTCAAAAATGGGAAGATAGG  
CATTAGCGTGGCACGAAACAGTACAAGAAGGGGTTTCTGAGGCTCAGACAAAAGTCTTACCTCTGGA  
GTCTTGTATCTCGATATGATCCAGTCTATAGCTTAAGATCACCGCCAGAATTATAAACTCGATACAA  
TCGCAAAAATCTGCCTCCAGCAAGAAAAGGAACAGCTGAGCTATAAGGAAATCCCAAGAAGTTCATTAG  
CGGCCCTTCTGGCGGGCCGTAGTTGGCAAGTATTGTCTCAGGATTCCTGCTCGTGGTGGAGGCTGTTT  
AAGCAGATCAATTATCATTACGAAGTTGCAGAGTTGCTAGACTGGCACAGTTACAGCACGGTGGCTCG



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TGTTCCGAGGGCAACAGAAGAAAATTTCCCTTGTATCCTCACCGAAGCGAAAAGACGGAATATGATCCT  
 CCCATCCATGGTCTCCTCACACAACAGACAGGGGATCGGGTATAAGGGCGCGACCGTGCTGGAGCCCAAG  
 ACCGGTACTATGCCGTTCTACCGTTGTGTTGACTTCCAGAGCCTCTATCCCTCTATAATGATGGCAC  
 ACAACCTTTGTTATAGTACTTTGGTGCTGGATGAGAGACAAAATCGCTGGACTGAGCGAGAGCGACATCCT  
 GACGGTCAAGCTTGGGGATGAACTCACCGATTTGTGAAGCCATGCGTCAGAGAAAAGCGTCTTGGGTCC  
 CTGTTGAAGGATTGGCTGGCCAAGAGAAGAAGTAAAAGCAGAAATGCAGAATTGTAGCGATCCGATGA  
 TGAAGCTTCTCTTGGACAAAAACAACACTTGCCTCAAACTACATGCAACTCCGTGACGGTGTGACAGG  
 AGCTGCACATGGGTTGTTGCCGTGTGGCAATTGCCCGCTCAGTGACTTGTCTTGAAGGGAGATGCTC  
 TGTAAGTACTGTGGATTACGTGAACAGTAAAATGCAGTCCGAACAGTTCTTCTGCGAGGAAGTGGGCTGA  
 CCGCTTCCGATTTACAGGCGATTTGAAAGTGGAGGTGATACGCGGATACTGATTCTATCTTTATGTC  
 TGTCCGCAATATGGCAAACGAATCACTTCAAGAATTGCTCCTATGATTGCAAAGCACATAACCGATCGA  
 CTCTTCAAAGCCCAATTAAGCTGGAATTCAGAAAAATCCTGTGCTCGCTGATCTGATTTGAAAAAGC  
 GGTACATCGGGGCCAAGATGATAGCCTGCTCATCTTCAAAGGGTGGACCTCGTGCAGAACTAGCTG  
 TGACTTTGTCAAAGGAGTTGTCAAAGACATTGTGGACTTGTCTTTGACGAGGAGGTTGACAGACC  
 GCTGTGCAATTTCTCACATGACCCAGACGCAACTCAGGAGCAGGGTGTCTGTTGGGATACACAAA  
 TCCTGCGCGGCTGTGCAAGGCTAGGGAGGAGCTTCCAAAACAGGGCGGACGTGCGCCACCTCATGCT  
 GTCCTCTGCTCTGCAAGGAAGTAGCCCGTACAAAACAGCCTAACCTCGCTCATCTCTGTAATCCGC  
 CGCCTGGCTCAGAGGAAGGAGGAGATTCAAAATGTAGGAGATAGAATTATGTATGTGCTGATAGCACCT  
 CTACCGGTAACAAGCAAACCCACAATTACGAGCTGGCAGAGGACCCTAACCTACGCTGGAACATAAAAT  
 CCCTATCCATGCAGAGAAATATTTGACCAGATCATTAAAGCGGTGACGAATGCGATTTCCCTATCTTC  
 CCTAAGACGGACATAAAGAAGGAAAAGCTGCTGCTGTATCTGTTGCCATGAAAGTGTACTTGGACGAAA  
 CCTTCTGCTATAGCCGAAGTCATG

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAGGTTTAA

**Protein Sequence:**

>VC101479 representing NP\_050219  
 Red=Cloning sites Green=Tags

MDSVSFFNPYLEANRLKKSRSSYIRILPRGIMHDGAAGLIKDVCDSEPRMFYRDRQYLLSKEMTWPSLD  
 RVRSKDYDHRMKFHIYDAVETLMFTDSIENLPFYRHFVIPSQVIRMFGRSEDEKICVNVFGQEQYF  
 YCEVDGKSLKATINNLMLTGEVKMCSFVIEPADKLSLYGNANTVVNLFKVSFGNFYVSQRIGKILQN  
 EGFVVEIDVDVLRFFVDNGFLSFGWYNVKYIPQDMGKGSNLEVEINCHVSDLVLENVNWPLYGCWS  
 FDIECLGQNGNFPDAENLGDIVIQISVVSFDTEGDRDRHLFTLGTCEQIDGVHIYEFASEFELLGFFI  
 FLRIESPEFITGYNINFDLKYLCIRMDKIYHYEIGCFSKLKNKIGISVPHEQYKKGFLQAQTKVFTSG  
 VLFLDMPVYSSKITAQNYKLDIAKICLQEQEQLSYKEIPKFI SGPSGRAVVGKYCLQDSVLVVRLF  
 KQINYHYEVAEVARLAHVTAARC VVFEQQKIFPCILTEAKRRNMILPSMVSSHNRQIGYKGVATLEPK  
 TGYAVPTVVFDFQSLYPSIMAHNLCYSTLVLDERQIAGLSESDILTVKLGDETHRFBKPCVRESVLGS  
 LLKDWLAKRREVKAEMQNCSDPMMKLLLDKKQLALKTTNSVYGVGTAAHGLLPCVAIAAASVTCLGREML  
 CSTVDYVNSKMQSEQFFCEELGLTASDFTGDLKVEVIYGDTSIFMSVRNMANESLRRRIAPMIAKHITDR  
 LFKSPIKLEFEKILCPLILICKRYIGRQDSSLIFKGVDLVRKTSDFVKGVVKDIVDLLFFDEEVQTA  
 AVEFSHMTQTLREQGVPVGIHKILRRLCKAREELFQNRADVRHMLSSVL SKEVAAYKQPNLAHLSVIR  
 RLAQRKEEIPNVGDRIMYVLIAPSTGNKQTHNYELAEDPNVLEHKIPIHAKEYFDQIIKAVTNAISPIF  
 PKTDIKKEKLLLYLLPMKVYLDETFSAIAEVM

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NC\_000898

**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\\_000898.1](#), [NP\\_050219](#)

**RefSeq ORF:** 3036 bp

**Locus ID:** 1497040

**MW:** 115.7 kDa