

Product datasheet for **VC101577**

U38 (NC_001716) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U38 (NC_001716) 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 VC101577 represents NCBI reference of YP_073778 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACCTTGTTTCTTTCTTTAATCCTTATTTGGAAAACGTGAGAACCAAGAAGAAGACCAAGGCACTT
TTCTGAGGATCTTCCCAGGGGAATCATGCATGACGGAGCCCTGGCCTGATGAAGACCCCTTGGCGATC
TGAGCCAGAAATGTTCTACCAGGACAAACAATACATACTGAAAAACGACATGACCTGGCCTTCTTGTCC
CAGGTCGCAGAAAAGAACTCCGGGCACCCTTGAATTCACATCTATGACGCATCTGAAAGTCTCTTGT
TTACCGATAGCATAGAGAATATTCCTTCCAGTATAGGCATTTTCGTCATCCCGAGCGGCAACGTCATAAA
GTTGTTTGGGAAAACCGAGTGCGGGAAGAAGGTATGCATCAATGTGTTCCGGCAGAACAGCTACTTCTAT
TGCGAATATCAGTGCAAAAAAGAGCTGAACAGCAGAATCTGCTCACTGCTTAATAGTTCGGAAATCAAAA
TGAGCTGTTCTTTAGTATCGAGAGCGTAACTAAATACTTCTACGGCTATAATACCGAGCCAATCAA
GAATTTGTTTAAAGCTCAGCTTTTCAATTTCTACATCTCCAACCGCATTGGCAAAATCCTTCTCAACGAA
GGCGTGAGCGTGTACGAGGCAGAGGTGGAGATCCTGAACAGATTTTTTATTGATAACAACCTCAAGTCTT
TCGGCTGGTACCAGATAAATCTTTCAATCCAGGAGTTTGCCAAGTCTTCAACGTAGAGATTGAGCT
CAATTGCCACGTATCCGATCTGTTCTGCTGAAGGAGGATTCATGGCCTCTGTACGACTGTTGTAGCTTT
GATATTGAATGTCTTTCACAGAATGGCAACTTCCCGACGCAGAGCAAAATGGGAGATATAATCATCCAGA
TTTCTGTAATCGATTTTCGATTCCGAGGGTAACTACCAGTCAAAACACCTCTTTACTGCGGCACATGTGA
ACAAAATTGAGGGCGTGTTTATATATGAATTCGCCTCCGAGTTTGAACCTTGTACGCTTTTTTCTGTTT
TTGAAGTGCAAAATCACCGGAAATCCTGACAGGGTATAATATCATCAATTTTGATCTCAAATACCTTTGCA
CTAGAATGGAAAAATCTATAACTTCGAGATCGGAGGCTTTAGCAAGCTCAAGCGGGGCAAAATTTCCGT
CATCGTGCCATATGAACAGCACAAAAATTTCTGAACTCCCTGACCAAGGTAACATGTCAGGAATCCTG
TGCTTTGACATGTACAACGTTTACTCTTCTAAAATCAGCGGCAGAACTATAAGTGGATACGATTGCA
AGCTGTGCCTCAATCAGGAGAAAAAATCTCAGCTACAAGGAGATCCCCAAAAATTTATCGACGGCAG
TAAAGGCAGAGCAGTAGTCGGTCTGACTGTATTACAGGACTCCTTGTCTGTGGTGCAGCTCTTACCAAG
ATCAATTACCACTATGAATGGCTGAAGTGGCTTCACTCGCATATATTACCATCAGGTGCCAGTGTTTG



[View online »](#)

```

AGGGCCAGCAGAAAAAGATCTTTCCATGTATTCTTCATGAAGCCAAAAACCTGAATATGATATTGCCCTC
CATGAATACCAACTTCAATAAAGGGAAGGAGAAGCTGGGCTATAAAGGCGCTACCGTACTGGAGCCCAAG
ATAGGCTACTATGCCACGCCTACAGTAGTCTTTGACTTTCAAAGCCTCTATCCAAGCATCATGATGGCTC
ACAATCTGTGTTATTCTACCTGGTGGTGGATGAAAAATGCCGTGATCGGGCTCCACGCAGATGACATTCT
CACAGTACACGTTGGACCGGTGACCCACCGATTGTGAAAAAACAGTGCAGATGAAGATGTGTAATAACCCCGTCA
CTGCTTAAAGAGTGGCTGGACAAGCGAAAGGAAGTGAAGATGCAGATGAAGATGTGTAATAACCCCGTCA
TGGAAATGCTTCTCGATAAAAAACAGCTGGCCCTGAAAAACGACTTGTAACTCCGTGTATGGCGTGACAGG
CGCCACCCACTCTCTGCTTCTTCCGTTGCCATCGCCGCTAGTGTACCTGTCTCGCAGAGAGATGTTG
TGCAAGACCGTTCGACTACGTGGATTCCGCCATGTATAGCGACACATTTTTTATCGAGAAGTTCGGTCTGA
CCCAGGTTGACTTTTCAGGCACATTTCGGAATCGAAGTCATCTACGGGGACACCGACTCCCTGTTTGTGAC
ATTCAAGAATGTATGCCCTAAAGCCCTGAAGAGGATCGCTCCTTCTATTGCAAGTCATATTACCAATACT
CTGTTTAAACACCCCATAAAATTGGAATTTGAAAAATCTGTTCCCACTGATTCTGATCTGCAAAAAAA
GATACATTGGGAAGCTTGACGACGCGACTCTGGTTTTTAAAGGTGTGGAAGTCTGCGGAAAAGTGTG
CGATTTTGTCAAGTTTGGTCAAGGATATTATCGACTTGCTGTTTTGGGATGTTGATGTTCAGAAGAGT
GCCGAGAAGCTGTCCAACATGACAATACAGGAGATCTATGAAAAATGGGGTCCCGATGGAATACAGAAAA
TCATTAAAAAACTGTGTGATGCTAGGGATGCCCTGTTTCTGAATAGGGTGAACATCAAGAGCCTTGTGTT
GAGTAGCGTTTCTCAGCAAGGATATTAGCGCTTACAAAACAGCAACCTTCCACCTGGCTGTTGTTAAA
AGACTCGCCAGAGAAAAGAAGAACTGCCCAATATCGGTGATCGCGTAATGTACATCCTTATCGCGCCAA
CCGAGACTGTGAAGAAAACGTTTCATAATTATGAGCTGGCCGAAGACCCTGCCTATGCTATAGAGAACAA
TCTGAAGATCAATGCTGACAAGTATTCGAGCAGATAATGAAAGCCGTGACCAATGCCATCTCCCTATC
TTCCCGAAAACCGGGATCAAGAAGGAAAAGTTCCTTCTTAGCATTCTGCCTCTGAAAGTGTATGTCGATC
AGAGCTTTTTCGACCTTACTGACGTGCTC
    
```

```

ACGCGTACGCGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATGAGTTTAA
    
```

Protein Sequence:

>VC101577 representing YP_073778
 Red=Cloning sites Green=Tags

```

MDLVSFNPNYLENVRTKKKTKSTFLRIFPRGIMHDGAPGLMKTLCDSEPRMFYQDKQYILKNDMTWPSLS
QVAEKELRAPLKFHIYDASELLFTDSIENIPFYRHFVIPSGNVIKLFGKTECGKKVCINVFQNSYFY
CEYQCKKELNSRICSLNLSSEIKMSCSFSIESVTKNFYGYNTEPIKNLFLSFSNFYISNRIGKILLNE
GVSVYEA EVEILNRFFIDNNLKSFGWYQINYL SIQEF AKSSNVEIELNCHVSDLFLLKEDSWPLYDCCSF
DIECLSQNGNFPDAEQMGDII IQISVIDFDSEGNYSKHLFTLGTCEQIEGVFIYEFASEFELLYAFFLF
LKCKSPEILTYNIINFDLKYLCRMEKIYNFEIGGFSKLRGKFSVIVPYEQHKKFLNSLTKVNMMSGIL
CFDMYVNYSSKISAQNYKLDIAKLCLNQEKKNLSYKEIPKFFIDGSKGRAVVGRYCIQDSSLVQQLFTK
INYHYEMAEVASLAYITIRCAVFEQQKIFPCILHEAKNLNMILPSMNTNFNKGKENVGYKGVLEPK
IGYYATPTVVDFQSLYPSIMMAHNL CYSTLVVDENAVIGLHADDILTVHVGPVTHRFVKKTVRESILAS
LLKKWLDKRKEVKMQMKMKNPVMEMLLDKKQLALKTT CNSVYGVGTATHSLLPCVAIAAASVTCLGREML
CKTVDYVDSAMYSDTFFIEKFGLTRGDFSGTFGIEVIYGD TDSL FVTFKNVCPKALKRIAPSIASHITNT
LFKHPIKLEFEKILFPLILICKRYIGKLDATLVFKGVELVRKTSDFVKKVVVDIIDLDFWDVDVQKS
AEKLSNMTIQEIYENGVDPGIQIIKKLCDARDALFLNRVNIKSLVLSVLSKDISAYKQANPLHAVVK
RLAQRKEELPNIGDRVMIYILIAPTETVKKTFHNYEL AEDPAYAIENLNKINADKYFEQIMKAVTNAISPI
FPKGTGKKEKFLLSILPLKVYVDQSFCDLTDVL
    
```

```

TRRRLEQKLI SEEDLAANDILDYKDDDDKV
    
```

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NC_001716

ORF Size: 3039 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_073778](#)

RefSeq ORF: 3039 bp

Locus ID: 3289496

MW: 115.9 kDa