

Product datasheet for **VC101459**

U20 (NC_000898) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U20 (NC_000898) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U20
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 VC101459 represents NCBI reference of NP_050200 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATCACGGTCTTCGTCGCATGCCTGTTTCAATGTGTGTCTTCCTCCCGCAAACACTGTACATCAAGA
 CGACTCTGGCCGAGGGAATTGGTAAATTGCAGACAGTTATCGGGATCGATAATGACATCGTGTTCGATA
 TGAACGCCTGTACGGGGACTTGACACTGCGGAATCACACAGCCGTGGGCGAAACCCTGTTTGACCTGGCG
 GGCAGTCTCGAGGAAGTAAGAACAGTACAGTCGATAGATTCTGGGCCACGTTGTTATTAGAGAGTTCC
 ATCGACTGCACGCCGCTGCAGTATGTATCCGTTCAAACCTTAACTGTAAGCGAATTGGTTTGTTCGT
 CAACAACAACACCAACTTAGCGGAAGCTATGTATTTCTGGCTCGGAATACTACGTACGTGCAGATCGAT
 TTGTTCAACGAAACCGCTCTTTTGTGCACGATTTGATCAATGTGAGCTCCTTCTCGAGAATCGCAGTT
 TGCATGTGCTGTCATTTTATGCTCGGCGTTTTGCGTTGAGGACATTTTGAACCTTTACGGCAAGTTGT
 CTTCCGGAGATTCAAAGTACCGACCCCCAGGCTTTTCAAAGCGCGATACCGGTCTGCTGGTATGTACA
 GCCAGAAGGTATAGACCCATCGGGACTAATATCCAGTGGTCAATGCACAACCAGACAGTAAGCGACGATC
 ACACCACCGACGACTTCAATCCGCACCGAAATCAGCGGCCAGCTTCTGACTCTTACGAGCGCGCCCTGTC
 ACGGGCCTTGAGCATGACCCACCGCAGTTGAGCTGTGAAATCACACATAAACTGCTGGTGACCCCGCG
 CTGTTGACCAGGGAAGACGCATTCTCCTTTAAAGTTTCGTCATCCAGTGAAGGAATCCGAGGATACAT
 TTCCGAGACAACTTCTGCCCCCAGAAAGAAGTTAATAAGCTGCAACTGCTTTGGATCTTCAT
 TGTCATACCAATTGCCGCCGATGTATGTTCTGTATATCCTGACCCGGTACATTCATTTTTTGTGAGT
 GCGCGTAGTTCAGTAACCTAATCGCGTCTTAAGCGCGCCGGGTAATGACGAAGTCCAATGGTTA
 TTATGGAAGTTGAGTACTGCAACTACGAAGCCGAAACCAGATATGGAGCTTCACTCCGTCCAGAATGT
 GCGCGACGACTCCATTGCTGTGGTGTGCGGAAATAACTCATTGACATCGAACGCCAGAGTATTAATCC
 CATGAGTCATTCTCAATGTCAAGCTGGAGATGCTTCTCTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101459 representing NP_050200
 Red=Cloning sites Green=Tags

MITVFAVCLFQCVSSLPKLYIKTTLAEGIGKLQTVIGIDNDIVFAYERLYGDLTLRNHTAVGETLFDLA
 GSLEEGKNSTVDRFLGHVVIREFHRLHAGLQYVSVQNFVSELVCFVNNNTQLSGSYVFLARNTTYVQID
 LFNENRSFVHDLINVSSFLQNRSLHVL SFYARRFCVEDILNFYGVVFGDSKYRPPQVFSKRDTGLLVCT
 ARRYRPIGTNIQWSLHNQTVSDDHTDDDFIRTEISGQLLYSYERALSRALSMTHREFSCEITHKLLVTPA
 LLTREDAFSFKGFVNPVKESEDTFPRHNFPAHRKKFNKLQLLWIFIVIPIAAGCMFLYILTRYIQFFVS
 GGSSSNPNRVLRKRRRGNDEVPMVIMEVEYCNYEAEHDMELHSVQNRDDSIADVCGNNSFDIERQSIKS
 HESFSNVKLEMLPL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC_000898

ORF Size: 1302 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_050200](#)
RefSeq ORF: 1302 bp

Locus ID: 1497016

MW: 49.7 kDa