

## Product datasheet for **VC101228**

### UL38 (NC\_006273) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	UL38 (NC_006273) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	UL38
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101228 represents NCBI reference of YP_081497 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACTACAACAACCCATAGTACCGCAGCAATAATGTCTCTGCTGGATGAAGCTGAGTGGAGACAAACCC  
AGATGGACGTAGGAGGTCTGATTCAGGCTAGTGCTCTGGGAAAGGTCGCACTGAGGTACGCAGTCCGGAA  
GCTGATGAAGCGCGGTGCGCGCCTCCGCCACGACAGTGGTCTCTACGTGTGCATCTGCGACCCATAGTTAT  
GAATTCCTTCAGATGAACCTTTCCAAAATCTCCTGGCTGGAACGCCACTGCTCCGCTGGACCAGGAAC  
TGATCATGTTTGGCGTCATCGAAGCTTGGGAAGAGGCTTCCGTAAGGCCACACGCAATTGGTCTGTT  
CATGACACCTAAATGGGATGTATTTCGTTATGACTCTGGAATACTCTTTTTTCTGGCACCCCTCCATGGCA  
CAGTTTTGGCACGGCGCTATTGTGTTGGAGTATTGGAACGCCCTGTTCCAGTCGAGGTTCCGGTCCCACG  
TGCGCCAGCACGCGCATAACCATGGACGATCTGGTAATGGTCTTCCACCAGCTGGATTATGAAAAACAGGT  
ATTGGAGGCCCGACGCGATAAGAATACCGAGGGTCCAAGGACTTTCGCCAAGTCTGTCAACTCCTATGTG  
CGCGCTATACTGGAATCAGAGAGACGCATAAGAGAGGGGAAGATTCCAATGACATTCGTCGACAGGGATA  
GCCTGAGAGCCAATTCTCTCGCCATATACAGGCCACTGGCGCGCAACCCTCACACGCACCTGCACAACG  
AGTTCTGAGTGGCCTCCAGCCTGCCCTCCCCGTGAGTGAAGAAGACCCTGCCGAGCCGCAACACCC  
CCTAGCAGCGCTCAACACACCTCCCTCATCCGTGGTGCCTGCCTCAGTGAATCCGAACCTGAGCTCCT  
CACCGCCCTCCACAGTAGTGGTGAAGGATGTATGTACACCGCTGGAGAGGGCGACGTGGTACAGAT  
GGTAGTGGTGGTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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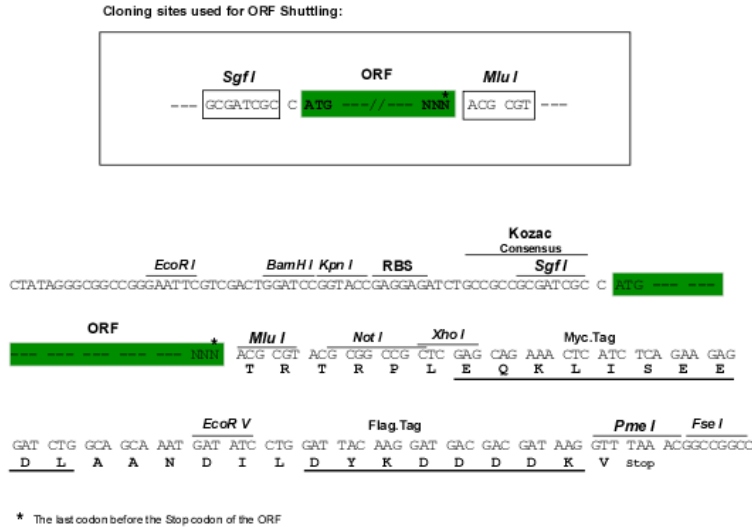
**Protein Sequence:** >VC101228 representing YP\_081497  
Red=Cloning sites Green=Tags

MTTTTHSTAAIMSLLDIAEWRQTQMDVGGLIQASALGKVALRYAVRKLKRGARLRHDSGLYVCIDPSY  
 EFLQMNLISKISWLERHCPPLDQELIMFGVIEAWEEASVRPTRQLVLFMTPKWDVFAYDSEGLFFLAPSMA  
 QFWHGAIVLEYWNALFPVEVRSHVRQHAHTMDDLVMVFHQLDYEKQVLEARRDKNTEGPRTFAKSVNSYV  
 RAILESERRIREGKIPMTFVDRDSLANSALHIQATGAQPSHAPAQRVLSAPPSLPSPVSEEDPAAAATP  
 PSSAATTPPSSVVPASVESELSSPPLPPVVVKDVMYTAGEGDVVQMVVVV

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_006273

**ORF Size:** 993 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\\_006273.2, YP\\_081497](#)  
RefSeq ORF: 993 bp  
Locus ID: 3077531  
MW: 36.8 kDa