

## Product datasheet for **VC101567**

### U28 (NC\_001716) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	U28 (NC_001716) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U28
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 VC101567 represents NCBI reference of YP\_073768 with codon optimized for human cell expression

Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGATCCAAACAATAAGGTCTCTATTAACAAGAACATGGGACTGCTGCGGAAATGCTTTGTACAGCAGC  
AATATAATAAGAAGAGGTTCTGCTACTCCCGATTCCACCATAAACTCTTTGTACAAGCAGCTGTACGA  
GATAAGCAAGATCCTGAGGAGACTCAACAGCGGCTGGACATGTGGTGTCTCCGAGATGCGATCATTTC  
GCTCTTGGCGCAATGCACGATGCTCCACACGTGGACCGTTGCTCGGTCAAGTTTACCTCAAGACAAACA  
GTGCCCTCAGAGTTTGATTCTATCTCTTATTCTGGAATCCGAAAACATCTTGCAAAGGAGCTTATCGA  
ATTCGTCGCGGATTCAAAGGTAGAATTGGAGAAGATACTGCAGGCGGCCATCCACGTCTGGCGGGCAAAG  
TTCTCTCCAGGGTCTGGCAGCAAGTCGTTCTCGATGAGATAAGTAACCTATTTAACGGAATCGAAG  
AAAACATTCCAACAATTTCTTCCGAATATCAGTGACACTGGCCAGCCAAATTAATAAATCGAATACCT  
CCAGAAGAGTTTCGTGTACACAAGTGCCTCTGGTGGAAGAGATTCTGATCCTCTTGATAAACGAGTG  
TGTATGCTTCCGTTTCTTGTATGAGCAACTGGGACTGGTCTGAAAAGAAGAGCGTTTTTGACTG  
TATTTACAACGTGTCTAATTTCTCACTGGAGGATTTCTGGACATTAATTCAGGTTTCTTCTGCCAGC  
CATGTTGAACGGCTCCTATGTATCCGTGAACCTGACCCGCTATCACTATGAAGCAGAGTCTCTTATGGAG  
CTGCTCTTGTCAACTCCAGATCGTGGAGAAAGACACTAACAAAACAACAGGCTGACGATCTATTTGG  
AAATTTGGCACCTGTCCCTGTGATGTGGTTGGACTTCTGTGAGATCCTGCCAATACAGTGCAGGTGAA  
ATTTTGCCTCATCTGCCGAGATCTTCATGGAGCGCTCAAAACGAAAACCTTACTGGTCTGTGTTCC  
CACAAGCGCTGGCCATCAATCTGGGGCTCTACGACGAAAAGTATTTACATCTAAATACCTGGAGTCCG  
AGCGCACCGCCGAGCATGCCGAATAAAGACAGAGACACTTCTGGATAACATCTGCCGATGTCTCCGCCG  
AGGACAGATGGGATTTATCTTCCGAAAAACATTCACAAGTATCAATGCTTCTCAGATCGCCTCATACT  
TGTCTGGGGAACAGCATGGATGTGATTCCTTTCGAGTACGGACTCAATACTGCATTCCGGATCGCTCTGA  
ATTTGCTCTACTTTGTCGAAAACGTGAGTGAAGAGCAGAAGAGCCATACAAATTTGATATGTTCCACTA  
TAGGGATAAGATCTTAACTTAAGAAGATGCGCAAACTGTACCCGAACCTGGTGTGATAGGAAACGCT  
GTCATAGATTATGCATTGGAGAATAGGGATTTTTGATGGATGGAATCGTGAATGCTAGGTCCTCGCCA  
TTTGCCTTACTGGCTTGCCTCAGCTCTGATGTCTATGAACCTGCCGTTCAATTTCTCAGTGGGATGCCA  
GTTGTACAGGATCGTGTGCGAAAATATCTACTACTCCTCAGTTCGAACCTCCATGAATGTTGCAAAAAG  
GGTGCCGAACCATGCTCCTTCTTCCAACGAAGCAAGTACGCTCAAGGCATTCTGCATTGTGACCTGTACG  
ATAACGTCGAGTACACCTTGCCGAACGTAATCTGGACCAACCTTAGGAGCGATATTAATAAAGTATGGCCT  
CAGAAACCTGACTTTTGTGAGTGGTCCGCTATGAGTAAGGAATTCGACCTGCTCAACTGCTCACAGTCA  
TTTTGTCCGATCGAAGGCAATAAAATCTGAAAAGGTCTAGCATCAAGGATTTGCATCCCAATCCCGTGT  
TCCACTCAGACCTCTCTGTACTCCACCGAATTCAGACCCCTGTATATACCCGCTACAACGGCCTGTT  
TCTTAATCGCTTCAAGAACCACCTGGAATATCTCTTCCGTTAATTACGACGTGTCTAAGGTTAACAG  
AATTTGTTTAGCGAAGAAGAAAATGCAGGAAATGACAATATTTCTGAACGCCTTCGACTACAGTGTAAATG  
AGATGTTGAATATGTACGTGCGCGCCCTGCCATTCACCGATCATGGCCAGGCTAACGCTTTTTTCATTA  
TAAAACCGAGAATATGAGAGACATCTCGTCTGCCTTTACCAGAATGGGTTTAAGACCGGAATTTACCAA  
GCGGTATACAAGAACAAAAATGCGATGGCGTAAATCCCTCCAAGAAATTCGACCTTCTTTCAGGCTTCT  
CCGATGGCGTGGTGTGAGCACCATGCACGTGTTTCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC101567 representing YP\_073768  
Red=Cloning sites Green=Tags

MDPNNKVSINKNMGLLRKCLCHDEYNKKRFCYSRFHHKTL LYKQLYEISKILRRLNSGLDMWCLRDAIIS  
ALGAMHDAPHVDRL LGQFYLKTNSASEFDSISL ILESENILQKELIEFVRDSKVELEKILQAAIHVWRAK  
FSPGVL AASRFLDEISNSFNIEENIPTIFLRISVTLASQIKKIEYLQKSFVSHKCP LVEEILILLYKRV  
CMLPFPCMSNLGLVSEKKSVDTVFHNVSNF SLEDFLDINS GFFLPAMLNGSYVSVNLTRYHYEAE SLM E  
LLLSQLQIVEKDTNKTTGLTIYLEIWHLSLLMWLDFCEILPTTVQVKFCLILPEIFMERLKTENSYWSVF  
HKALAINLGLYDESDFTSKYLECERTAEHARIKTETLLDNICRCLRRGQMGFIFRKNIHKYSMLPQIASY  
CLGNSMDVIPFEYGLNTAFRIALNLSYFVENVSEEQKSHTNIDMFHYRDKIFNLKMRKTVTELVLIGNA  
VIDYALENRDFLMDGIVNARSLAICVTGLHSALMSMNL PFNSQLGCQLYRIVCENIYYSSVRTSMNCKK  
GAEPCSFQRSKYAQGILHCDLYDNVEYTLPNVLTNLRSDIKKYGLRNLT FVSGSAMSKEFDLLNCSQS  
FCPIEGNKILKRSSIKVLHPNPVFHSDLSVYSTE LQTLYIPVYNGLFLNRFKNHLEYLSSVNYDVS KVNK  
NLFSEEEMQEMTIFLNAFDYSVNEMLNMYVGALPFTDHGQANVFFINKTENMRDILVCLYQNGFKTGIYQ  
AVYKNQKCDGVNPSKKFDLLSGFSDGVVMSTMHV FQ

TRTRRLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NC\_001716

ORF Size: 2418 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\\_073768](#)

**RefSeq ORF:** 2418 bp

**Locus ID:** 3289486

**MW:** 93.1 kDa