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Product datasheet for VC101469

U28 (NC_000898) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U28 (NC_000898) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U28
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>The Viral ORF clone VC101469 represents NCBI reference of NP_050209 with codon optimized for human cell expression
Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAACGAAAAGAAAGACGGATTAACAAAGACTTCGGCTATAACAGGAAGTGCGTGTGCCATTATGAGG
CCTCACAGAAAAGATTCTGTTACTCCCAGTATTCCTGTGCCAGCGTTCTGTATGAAAGGGTGCGCGACAT
CGCTAAGATAATGGATCGCCTGGACAGTGGCCTGGATGCATGGTGCTTGCGGGATGCTATTATCTCTGTC
CTGAGGGCGACTCATTGTGTCCCGCGCGTGGATCGGATGCTGGGTCGGTGGTACCTCAAGACGTCCATTT
TTTATGATTTTTGTCCTGACGATCTGATCCTCAGTTGTCCCAACGTGATTATGCCAAACGTCCTTAACTT
CGTGAAAAAATACAGAGACTTTATCCGAAGTGTACTGTATAAGGTCTCCGTTTCCTGGAAGAATCAGTAC
ATGCCCGGAGTGCTGGGCGCGTCTCGCTTCCTGGAGGAGATATCCAACTCCCTCAACGGCGTCGAAGAGA
GTATTCCATGTATATACCTGCGCATGTGCGCCACCCTGACAGAGATCGTGCTGCGCAATGGATATCTGAG
GGAAATTTACCAGGAAAACCCTTACGTAATTTTTGAAGAACTCGCATTTAGCCTGTTTACCCAGAAGTGG
GTACTGCCCTTTTCCTGTATGACTAATCTTGGCCTCGTAGAGAAAGCGAACTCCACCGTATTTGACGTTG
CAATCTATAACACATGCCTGTATTCACTCGCCGATTTCATTACAGTCAACGGCGAGCACCTGTTCCCTGC
CCTCCTCAATGGGTCCAATATTTCCATGAATGTCACAAGGTACCAGCAGGAGGCTAAGAATATTTTCGAG
ATTCTTCTCTCTCAAATTCAAGTGGTAGAAAGGGACACCGATAAAACCGTCCAGCTTACTGTTTATGTAG
AAGTGTGGCATGTCTCCGCTCTCACTTGGCTGGACCTGTACCAGGTGCTGCCCGAGACAAGCAGGGTCAC
GTTCTGTCTGATTATCCCTGGCATCTTTATGGATCGCTATGAGCTGAAGCGCGCTCAGTGGTCCCTTTTC
CATAAAAATATTGCTTTCGAGCTGGGCAAGTGTGACGAAGTTACCTTCTCTACAAAATATTTGGAATTCG
AAAGAACAACTGACCACGCTAAAATCACTATGGCAAGCTTTGTAGAGAAGATTTGCAGATGTCTTAAACG
CGGTCGGATGGGGCTTATTTTCCGAAAAAATGTTTACCAGTATTCTATGATCCCGCATGTCCCTCTGTAT
TGCGGTGGCGATTTCCTTGATGTTCTTCCTGTTAGAGATGGCATTAATACATGCCTGCGAATGCTTCTGA
ACGTGGTCCATTTTCTCGGCGACGAGGTGTCAGATGAGCTTACAGAGGAGATCGATTTTGTTCGGCTCCA
ATGCAAGTTCTTTATGTTCAATGAACTGAGGAGAGTGGTTAGGAAAATGGTTTTGGTGGCCAATGCTGTG
ATAGACTATGCGGTGGACAATAAAGACTTTCTGAGAGAGGGCATCGTCGACGGACGCTCTCTTGGAATCT
GCATCACAGGGCTCCATTCAGTATTTATGACCGTCGGGCTGAGCTACGCACACCCTGATGCCTGTCGGCT
CTACAGAATGATGTGTGAACATATTTATTATACATGCGTTCGAACATCAGTGGATTGCTGTATGAAAGGT
GCCGAACCATGCAATCTGTTTGACCGCTCTAAGTATGCTTTGGGTATGCTGTACTTCGACCAGTTTGATA
ATGTGGAATGCACTCTGCCTGAAGAGCTCTGGACTACACTGCGAAAGGATGTCCTGATGCATGGTGTCCG
AAACATACATTTCACTGCCGGAACCGCCATGCAGAAAGAATTCGATATAATCAATTCTAGTGAATCCTTC
TGGCCAATGGAGGACAACAAGATACTCCGAAGAAGCAATATCAAGGTGGTGATTGGGAAGGATGGACTTA
ACGACGTCACCTCCGTCTACTCTAGCGAACTGAAGAGTCTGTACATCCCCGTTTACAATAACCTGTTGCT
TAATAGGTTCAACAAGCATCAGCAATATCTTAAAACGGTCGGGTATCGGGTTCTGAACGTCGACACAAAC
CTGTTTACGGACAAAGAACTTGACGACCTTGCTGTTTTCAAAGATGGCTTCAGTTATCCTCTTAATGACC
TCATTGAGATGTATAAAAGCGGACTGCCCTTCCTGGACCAGGGCCAGGCTAACGTTTTCTATTTTAATGA
CACCGTAAGTCTTAAACATCTGCTTCCTTTGCTCTACAAGACAGGTTTTAAGGTTGCCATGTATAAGGTT
CTCTGCTCAAGCGAGATGTATAAGCATTTGGATCTGAGCAACCCACTCCCCTTGATCGGGAAGTGCTCTG
ATGGAGTGGTCATGCACGTGAAAAATATTCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

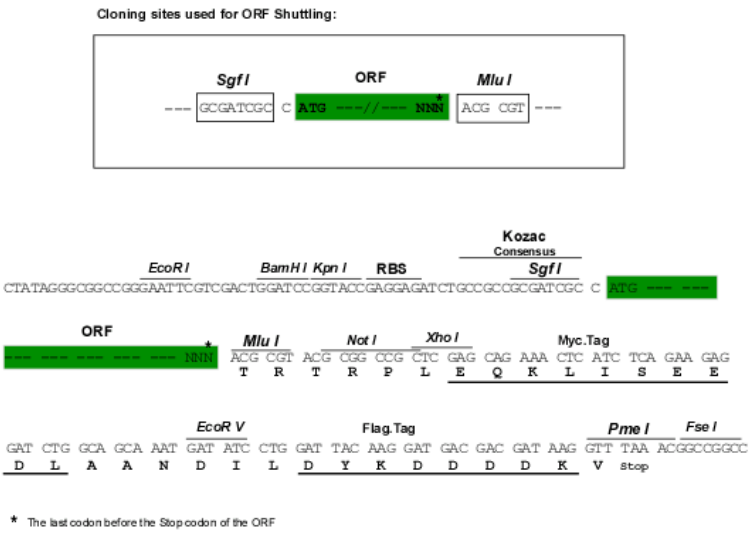
>VC101469 representing NP_050209
Red=Cloning sites Green=Tags

MKRKERRINKDFGYNRKCVCHYEASQKRFCYSQYSCASVLYERVRDIAKIMDRLDSGLDAWCLRDAIISV
LRATHCVPRVDRMLGRWYLKTSIFYDFCPDDLILSCPNVIMPNVLNFVKKYRDFIRSVLYKVSVSWKNQY
MPGVLGASRFLEEISNSLNGVEESIPCIYLRMCATLTEIVLRNGYLREIYQENPYVIFEELAFSLFTQKW
VLPFSCMTNLGLVEKANSTVFDVAIYNTCLYSLADFITVNGEHLFPALLNGSNISMNVTRYQQEAKNIFE
ILLSQIQVVERDTDKTVQLTVYVEVWHVSALTWLDLYQVLPETSRVTFCLIIPGIFMDRYELKRAQWSLF
HKNIAFELGKCDEVTFSTKYLEFERTTDHAKITMASFVEKICRCLKRGRMGLIFRKNVYQYSMIPHVPLY
CGGDFLDVLPVRDGINTCLRMLLNVVHFLGDEVSDELTEEIDFVRLQCKFFMFNELRRVVRKMVLVANAV
IDYAVDNKDFLREGIVDGRSLGICITGLHSVFMTVGLSYAHPDACRLYRMMCEHIYYTCVRTSVDCCMKG
AEPCNLFDRSKYALGMLYFDQFDNVECTLPEELWTTLRKDVLMHGVRNIHFTAGTAMQKEFDIINSSESF
WPMEDNKILRRSNIKVVIGKDGLNDVTSVYSSELKSLYIPVYNNLLLNRFNKHQQYLKTVGYRVLNVDTN
LFTDKELDDLAVFKDGFSYPLNDLIEMYKSGLPFLDQGQANVFYFNDTVSLKHLLPLLYKTGFKVAMYKV
LCSSEMYKHLDLSNPLPLIGKCSDGVVMHVKNIL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN:	NC_000898
ORF Size:	2412 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_050209
RefSeq ORF:	2412 bp
Locus ID:	1497030
MW:	93.3 kDa