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Product datasheet for VC101376

U28 (NC_001664) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U28 (NC_001664) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U28
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>The Viral ORF clone VC101376 represents NCBI reference of NP_042921 with codon optimized for human cell expression
Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAGAGGAAGGAGCGCCGGATCAACAAGGACTACGGGTATAATCGGAAATGTGTGTGTCACTATGAAG
CGAGCCAGAAGCGGTTCTGCTACTCCCAATACTCATGCGCCAGCGTGCTGTACGAACGAGTCCGCGATAT
CGCCAAGATCATAGATCGGCTGGATTCTGGACTGGATGCCTGGTGCCTGAGAGACGCTATTATTAGCGTG
CTGAGAGCGACACATTGCGTGCCTAGAGTGGACAGAATGCTGGGTCGATGGTACCTCAAGACAAGCGTGT
TTTATGACTTTTGCCCTGACGACCTCATTCTGTCATGTCCTAACGTCATCATGCCGAACGTACTTAATTT
TGTCAAGAAGTATCGGGATTTTATCCGGAGCGTATTGTACAAGGTAAGCGTGAGCTGGAAGAACCAGTAT
ATGCCCGGAGTGCTGGCAGCGTCCAGGTTTCTGGAGGAAATTAGTAATTCTCTCAACGGTGTGGAAGAGT
CCATTCCCTGCATCTACCTGAGGATGTGTGCTACACTGACAGAAATTGTTCTGCGAATCGGGTACCTCAG
GGAGATTTACCAGGAGAATCCGTACGTAATGTTCGAGGAACTCGCTTTTTCCCTGTTTACCCAGAAGTGG
GTCTTGCCGTTCTCCTGTATGACAAATTTGGGACTGGTAGAAAAAGCAAACTCCACCGTGTTTGACGTGG
CCATCTATAACACCTGCCTTTACAGCCTCGTCGATTTCACCATTGTAAATGGCGAGCATCTGTTTCCCGC
TCTCCTCAATGGCTCTAACATCTCAATGAACCTGACTCGATACCAACAGGAGGCCAAGAACATATTCGAG
ATCCTGTTGAGCCAAATTAGGGTGGTCGAACGCGATACAGACAAGACCGTTCAACTGACCGTGTACGTCG
AGGTCTGGCATGTAAGTGCACTGATGTGGCTTGATCTTTACGAGGCCCTGCCGCAGACAAGTCGGGTGAC
GTTCTGTTTGATCATTCCTGGAATTTTCATGGACAGATACGAACTGAAGAGAGCCCAGTGGAGCCTCTTC
CACAAGAACATTGCCTTCGAACTGGGAAAATGTGATGAGATTACATTCTCTACCAAGTATCTTGAATTCG
AGCGAACCACCGATCATGCAAAGATCACAATGAGCTCATTCATCGAGAAGATTTGCCTTTGTCTCAAGGG
AGGGCGGATGGGGCTCATTTTCCGCAAAAATGTGTATCAATACAGTATGATACCCCACGTGCCCCTGTAC
TGCGGCGGAGATTTTCTTGATGTTCTCCCTGTGAGGGATGGGATCAACACCTGCATGCGCATGCTGCTGA
ACGTCGTGCATTTCCTCGGTGACGAAGTCAGTGACGAGCTGACAGAAGAGATCGATTTCGTTAGGCTGCA
GTGCAAGTTTTTTATGTTTAACGAACTGCGCAGAGTGGTGCGGAAGATGGTCTTGGTCGCAAACGCTGTA
ATTGATTATGCGGTCGAAAACAAGGACTTCCTGTGCGAGGGCATTGAAGACGGCAGGAGTCTGGGAATCT
GTGTCACCGGGCTGCATAGCGTGTTTATGACCGTGGGCCTTAGCTATGCGCATCCCGATGCACGGCGGCT
CTACCGGATGATATGTGAACACATTTATTATACCTGCGTGAGAACGTCTGTTGATTGCTGCATGAAAGGA
GCTGAACCTTGCAACCTCTTTGACAGATCCAAGTATGCGTTGGGAATGCTTTATTTCGATCACTTTGACA
ACGTCGAATGCACCCTTCCTGAAGAACTTTGGACGACCCTCCGCAAAGATGTCCTCATGCATGGCGTACG
CAACATCCACTTCACGGCCGGCACTGCAATGCAAAAGGAGTTCGACATTATTAATAGCAGCGAGAGCTTC
TGGCCAATGGAGGACAACAAGATCCTCCGGAGGTCAAATATAAAGGTAGTTATCGGGAAGGATGGCCTCA
ACGACGTGACTTCTGTATACTCCAGTGAGCTGAAGAGCCTGTACATCCCTGTGTACAATAACTTGCTTTT
GAACCGGTTCAACAAGCACCAGCAGTATCTCAAAACCGTGGGCTATAGGGTGCTGAATGTGGATACCAAC
TTGTTCACTGATAAGGAACTTGATGATCTCGCTGTGTTCAAAGACGGCTTCTCCTACCACCTCAATGATC
TCATCGAGATGTACAAGAGCGGTCTGCCATTTCTGGACCAGGGCCAAGCAAATGTATTCTATTTTAACGA
CACTGTGAGCCTGCGACTCCTCCTGCCCCTTCTCTATAAAGCCGGCTTTAAAGTCGCAATGTACAAGGTC
TTGTGTAACAGTGAAATGTACAAGCACCTGGACCTCTCCAACCCCTTGCCCCTTATCGGTAAGTGTAGCG
ACGGGGTGGTCATGCACGTAAAGAACATACTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

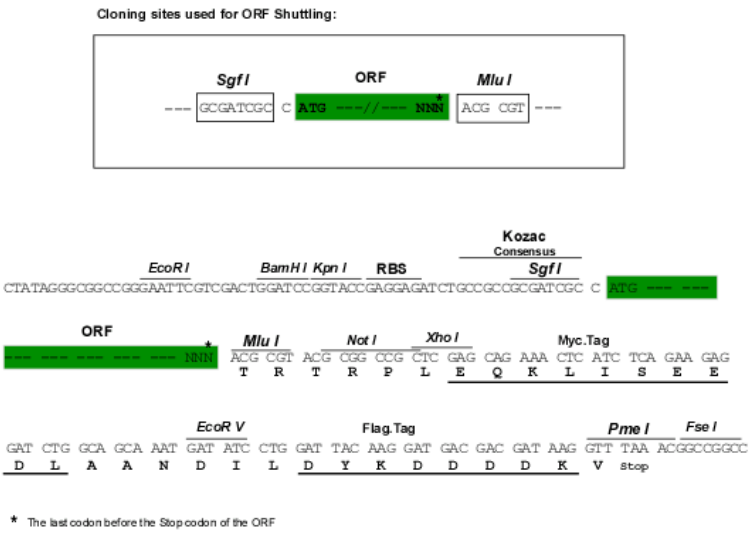
>VC101376 representing NP_042921
Red=Cloning sites Green=Tags

MKRKERRINKDYGYNRKCVCHYEASQKRFCYSQYSCASVLYERVRDIAKIIDRLDSGLDAWCLRDAIISV
LRATHCVPRVDRMLGRWYLKTSVFYDFCPDDLILSCPNVIMPNVLNFVKKYRDFIRSVLYKVSVSWKNQY
MPGVLAASRFLEEISNSLNGVEESIPCIYLRMCATLTEIVLRIGYLREIYQENPYVMFEELAFSLFTQKW
VLPFSCMTNLGLVEKANSTVFDVAIYNTCLYSLVDFTIVNGEHLFPALLNGSNISMNLTRYQQEAKNIFE
ILLSQIRVVERDTDKTVQLTVYVEVWHVSALMWLDLYEALPQTSRVTFCLIIPGIFMDRYELKRAQWSLF
HKNIAFELGKCDEITFSTKYLEFERTTDHAKITMSSFIEKICLCLKGGRMGLIFRKNVYQYSMIPHVPLY
CGGDFLDVLPVRDGINTCMRMLLNVVHFLGDEVSDELTEEIDFVRLQCKFFMFNELRRVVRKMVLVANAV
IDYAVENKDFLCEGIEDGRSLGICVTGLHSVFMTVGLSYAHPDARRLYRMICEHIYYTCVRTSVDCCMKG
AEPCNLFDRSKYALGMLYFDHFDNVECTLPEELWTTLRKDVLMHGVRNIHFTAGTAMQKEFDIINSSESF
WPMEDNKILRRSNIKVVIGKDGLNDVTSVYSSELKSLYIPVYNNLLLNRFNKHQQYLKTVGYRVLNVDTN
LFTDKELDDLAVFKDGFSYHLNDLIEMYKSGLPFLDQGQANVFYFNDTVSLRLLLPLLYKAGFKVAMYKV
LCNSEMYKHLDLSNPLPLIGKCSDGVVMHVKNIL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN:	NC_001664
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_001664.2, NP_042921
RefSeq ORF:	2412 bp
Locus ID:	1487905
MW:	93.4 kDa