

Product datasheet for **VC101568**

U29 (NC_001716) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U29 (NC_001716) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U29
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101568 represents NCBI reference of YP_073769 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGAGATGCTCCAGAAGCGGAAACATCAGACAATTGACGAACTTCCCTGAACAATCTTATAGAAAACG
AGAAGAAAAGATCAGAAGTCTGTTGGCATTCCGGCTACCCAAAGAGTGCCTACTCTCGGAGCTTAC
ACCCTGTGAACCTCTGGACCAGAAAGGGATCATCTGGTATGCTGATGTTCCGGCTGAAACTGACGCG
GAATCACCTAAATCCTCCTTATCTCAGTACTGTTCTGGCAATGAACGCCTTTAACGTCACTTCTGCA
CCGAACTTCTCTCGCTAATTTGTACAAAACCTCCCTGGTGGATTCAATTAACACAATGCTCGACTCTG
CTCCTACCTCGAAGAGAAGGTGAGCCTCTTTGGGTTACCAATTATTTACAGGGCACGAATTGCCTT
ATTTCTGTGTGATGCAAGGGCATGTCTACGACGTTAGAAAAGAGAATATTTACGGCCTCGTATTTGA
AGGATTTGCTGCTGGAGCCGATTGGGAGCCTCGACAAAACGCTATCCAGTACATTTATCTGTGCTATAT
CTACAGACAGGCCTTTAATAAGATTGAATACGGCATTATATTGTGCTCTCTGAACCTACCCACGAGGAG
GTTCTGATAGACCTCTGCGCAACAAGTTTTCAAGGAGCGCTTATGTTTATGAATTACCTCATCAACG
GTGATGGCAATCTGAATTATTTCCGGTCCCTGCAGAGGATTGGACTGCAAAACCCAGAATATCAAGTC
CGGATTCTGGATCTTCAGGGGATTTCTCTGACCATCATTAGATTGAAGGATGTCTTTGTGGAGCTGTGC
GAGAGGAAGATCTTTTTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC101568 representing YP_073769
Red=Cloning sites Green=Tags

MEMLQKRKHQTIDETSLNLIENEKKKIRSLAFGVPKECVLSRSFTPCCELLGPERDHLGMLMFRLETDA
 ESPKFLLISVLFLAMNAFNVSFCTRSLANLYKTSLVDSINTMLDSCSYLEEKVSLFGVTNYISQGTNCL
 ISCVMQGHVYDVRKENIYGLVILKDLLLEPDWEPRQNAIQYIYL CYIYRQAFNKIEYGIYIVLSELTHEE
 VLIDLLRNKFSKERFMFMYLINGDGNLNYFGSLQRIGHCKTQNIKSGILD LQGISLTIIRLKDFVELC
 ERKIFL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC_001716

ORF Size: 858 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_073769](#)
RefSeq ORF: 858 bp
Locus ID: 3289487
MW: 33.1 kDa