

Product datasheet for **VC101470**

U29 (NC_000898) Virus Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | U29 (NC_000898) 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 VC101470 represents NCBI reference of NP_050210 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s) |

GACGTTGATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACTCTAAGTCTAGTGCTAGAGCGGCCATCGTGGATACCGTCGAGGCCGTGAAAAAGAAAGTACA
TCTCTATAGAAGCCGGTACCCTCAATAACGTAGTGGAGAAAGAGAGAAAATTCCTTAAGCAGTTCCTGTC
AGGCAGGGAAAACCTTGCATCGCCGCACGGGTGTTACTCCGTGTGAATTGCTGCACCCGAACCTGGAG
AACCTGGGATGCTGATGTACCGTTCGAGACTGACGTGGACAATCCAAAGATTCTTTTCGTCGGTCTGT
TCTTTCTGTGTTCAAATGCTTTCAACGTGTCTGCTTGCCTCAGGACCGCTCTGACTACAATGTATACTAA
CAGTATGGTTGACAATGCCTCTCTATGATCAATACCTGTAAGTATCTTGAGGATAAGGTCTCACTGTTT
GGCGTGACATCTTTGGTCAGTTGCGGCTCTAGTTGTCTCCTGAGTTGCGTGATGCAGGGCAACGTCTACG
ACGCTAACAGGAGAACATACATGGCTTACTGTGCTCAAGGAAATTTCTTGGAGCCCGACTGGGAGCC
CCGACAACATAGTACCCAGTACGTGTACGTGGTCCACGTGTACAAGGAGGTGCTGAGTAAGTTGCAATAC
GGGATTTACGTGGTTCTCACATCCTCCAGAATGAAGACCTCGTTGTGGATATTCTCCGGCAATACTTTG
AGAAGGAGAGATTTCTGTTCTGAATTCTGATCAATTCTAATACTACTGCTCCTACTCGGAAGTGT
ACAACGCATAGGAAGATGCGCCACAGAAGACATCAAGTCCGGCTTCTGCAATACCGAGGTATTACGCTG
CCTGTCATCAAGCTGAAAACATTTTCGTGATCTGTCTGAGAAAAGGTGTTCTGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC101470 representing NP_050210
 Red=Cloning sites Green=Tags

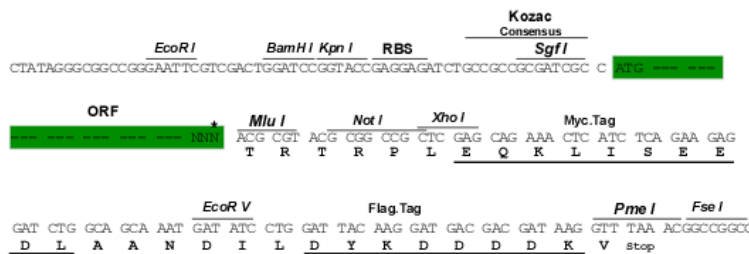
MNSKSSARAAIVDTVEAVKKRKYISIEAGTLNNVVEKERKFLKQFLSGRENLRIAARVFTPCCELLAPELE
 NLGMLMYRFETDVPNKILFVGLFFLCSNAFNVSACVRTALTTMYTNSMVDNLSMINTCKYLEDKVSLEF
 GVTSLVSCGSSCLLSCVMQGNVYDANKENIHGLTVLKEIFLEPDWEPRQHSTQYVVVVHVYKEVLSKLQY
 GIYVVLTSFQNEIDLVDILRQYFEKERFLFLNYLINSNTLSYFGSVQRIGRCATEDIKSGFLQYRGITL
 PVIKLENI FVDLSEKKVFV

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_000898

ORF Size: 897 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_050210
RefSeq ORF: 897 bp
Locus ID: 1497031
MW: 34.1 kDa