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Product datasheet for VC101453

U10 (NC_000898) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U10 (NC_000898) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>The Viral ORF clone VC101453 represents NCBI reference of NP_050191 with codon optimized for human cell expression
Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGATTGTGACATACAAGACTGCCTCCGCCCGGAGTCCGACGGTAACGTGGTCCTCTGGATTTGGGA
GAGCTATTGCCAGCATACAGAAACGGCATCAGGAGAATATCAGAAAGCCCCTGCGCTTTTATAGCGGCCT
GCTGCACTGTCTGATCAAACAGTACGAGCATTGTCTTGTGCCCCCCAACAAGTCTATACGGTTTGATAAA
GGCAAGATCGAGGTGGCTGCATTGATTCTTGACTTGGGACATCAGGTGCTGGGCCGACAGATACATGTGC
GGCAGAGGATTTATTCTTGGACCAGTATCACCCTGCCAAAGCTCTTTACCCCCCGGGAGCTCTACTTCCT
TGTGGCGAGCCCGGAGGATGAAGACATCGTGTTCAACCCCACAATAACTAAAGGAGGGTGGATCAGCGGC
AGTTTTAGTTATCCGGTGGAGTATAGAAGCAATTTCTCCTTGACTGGCATGTCCGCCAACGTGCTCATGG
TGCCCTTCGTGCCTTACCGCTACCCGTTGAACTATGCCCGCTTCATCAGTTCCATCGACCTGATGATCCT
GAATGAACAGTTTCCCGAACATGAGTGTGGCGATATTCAGATCTTGAAACAGAGAAACTACCTCTACCTG
GGAGTTATCAAGAACCTTACCTGGAAAAAGTCCGTCACTGGGACAGGGCAGACAGCCCCACACCGAATAC
TGAAGGCCTCTTTTATCGGGAGCTGGCCCGATACCTCCCTGCCTGACCGCGTGGCTCTCCGATTTTTTAA
CAATACGAGGTTCACTATCCACTGCCACGAGTTCGCGATAAACATCGAGAACTTGGGCCTTGTGAAGAAC
AAGGAGAAGGTGTTTGGAACACTTGCCACAGTCTGCTGTGAGCAAATCCCTTCCCTGCTGACGACTGAGA
ATCTGCCCAGATATCTGATAGTTCAGTTCGAAGTCGTCACACAGATTGAGGATCCCGAGCCGCTTCTTTT
CTCCAGTAATCCCAAGCTCTACTTCACCGGTGACGTGCTTAACGCTACTATGCAGCTGCAACACAACCCC
AATTACTACGATCTCCTCGTGCACGCACCTTACGACATTCATTTCTATCCCTCTCGGTGCCACATTGTAA
TTCTGCCTATCCGGTATTTTACCAGAGGCGACAAACAGATTCTCATTAGCGGCTACCAGAACGAGGGGTT
CTTTGAGACCCAGGTGATGCTTTGGGCACCAGGGACACCACTTCACATCACCCTCAGGTCATTTTCTCCC
AATCTGATCCTCCCTCAGTCCACGCCCATCGCCACTCTGTTCTACGTGGAGAGAATGACATCCCAGAATA
CAGAGCAAAAGGACGTAATAGCCAAGCTGTCCGAGAATGGTCACTTTATAGGAAACCTGAAACTGCCCCG
CGAGAACTTCCTGCATCACGACGCCATAACAGACCTCAGCCTCGCCGCCATCCCAAAGGATTCCGCCACC
CCAGGCCCCGGCACCGTGAGTAGTTCTGTGTCTCCGAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

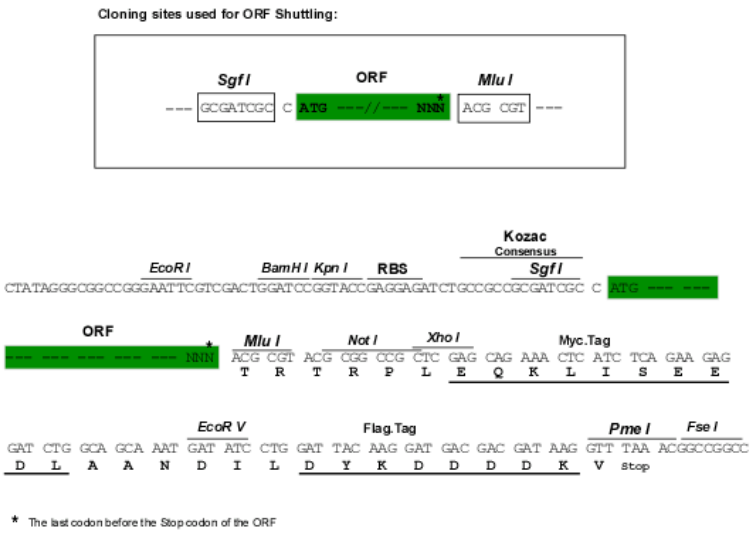
>VC101453 representing NP_050191
Red=Cloning sites Green=Tags

MEIVTYKTASARSPTVTWSSGFGRAIASIQKRHQENIRKPLRFYSGLLHCLIKQYEHCLVPPNKSIRFDK
GKIEVAALILDLGHQVLGRQIHVRQRIYSWTSITLPKLFTPRELYFLVASPEDEDIVFNPTITKGGWISG
SFSYPVEYRSNFSLTGMSANVLMVPFVPYRYPLNYARFISSIDLMILNEQFPEHECGDIQILKQRNYLYL
GVIKNLTWKKSVTGTGQTAPHRILKASFIGSWPDTSLPDRVALRFFNNTRFTIHCHEFAINIENLGLVKN
KEKVFGTLATVCCEQIPSLLTTENLPRYLIVQFEVVTQIEDPEPLLFSSNPKLYFTGDVLNATMQLQHNP
NYYDLLVHAPYDIHFYPSRCHIVILPIRYFTRGDKQILISGYQNEGFFETQVMLWAPGTPLHITLRSFSP
NLILPQSTPIATLFYVERMTSQNTEQKDVIAKLSENGHFIGNLKLPRENFLHHDAITDLSLAAIPKDSAT
PGPGTVSSSVSPS

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_000898

ORF Size: 1509 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_050191

RefSeq ORF: 1509 bp

Locus ID: 1497010

MW: 57.2 kDa