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Product datasheet for VC101512

U73 (NC_000898) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U73 (NC_000898) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U73
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>The Viral ORF clone VC101512 represents NCBI reference of NP_050252 with codon optimized for human cell expression
Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGAACAGGTTCCAGAACGATACGCTGTTCTCAGAATGGTTCGGACAGTCACTGTCAGACGTCAGAT
TCCCTGATAACGTAACCGTTTATTCCCAGGCAGATTCCGCTGTTAGCTTCGAAAACGTGAGACAGCCTAT
CAAGCTGGTCAGAGCCGCAATGGGTTCCGGTAAGACTACTGCCCTGATTCACTTCCTGAAACAGGTGCCA
AAGGAACTTAGCGTGCTGCTCATTAGTTGTCGGAAGACATTTGCTGCCGAGATCCTGCACCGCTTCACTC
TCAACGGTCTCGAGGACTTCGAACTGTATTGTGACATCACAGAAAGGCAGATCAATAACCGCAAAGTAAT
AGTCCAGATCGAGTCTCTGCACCGGCTCACCGAGAACTACGACGTGCTCATACTCGACGAGATTATGAGC
ATTATCAAGCAGTTCTACTCTAAGACAATGACAAAGACAAAGGAAGTGGACTGTAAGTTTTTGTCACTGA
TCAAAAACTCCAGCCACGTGATCGCTATGGACGCAACCCTGACACGGCATGTGGTGGAGTTCTTCGCAGC
CTTTAAGCCAGACACACAGATCGCTCTGATTAGAAATACATTCGTGAGCGCAATGTTCAGTAATCGCGTT
GCCTACTTTTGCGATACGTTCTTTGGCAAAGAGTTCTCATTCTTCGCACGCCTGGAAGACAAGCTCCGCT
GGGATAAAAAGCTCTGTCTCTTTTGCAGCACAGTCCTCGCCGCCGAGTATATGCATGATCTGATTCGCAG
CAGATTTTCTCTGAAAAAAGTGCTGCTGCTGACCTCTAAGCAGGGCAAGTGTTCCAGTATTGAGAGTTGG
ATCCGGTATGACGTGGTGATCTATACCTCAGTCGTGACTGTGGGACTCAGTTTTGAACCCGTGTATTTTA
GCTCCCTGTTCGTGTATATCCAGCTGGCAAAGGGTGGCCCAGACATGGTGTCCATCTTTCAGTCTATTGG
CAGAGTGCGGAGGGTCATCGACGAAGACATCTATATCTATATGAATCCGGTTCTTATCAAGTCATACGAC
CCGCTGGCTCCTATCGCCATGCCCCCATGCTCAGACTGGTCCGTCGCCGAACAGTCTATTATCAGTGAGT
CCTGTATTGACTTCAGAGGAAAATGTAGTGGCGCGCACAAGTACAATTTTTGCAGCGTGCTCAAGTGCCT
TTTTCGGTATCGGCATTACATTGAGAAGACGACCATCACTAGTTTGAGTGATTCTTTGTTTCTGCTGTGT
TCCCTGTTGTGTGAAAACTCCATCAAGGTAGACATTGTCGGTAACGGATTTCCAATGCGGAAGGAAGTGT
TCCTGTCATTTCTGCAAATTTTGGTTGAAGAGTGTCATTTTATTGAGAAAAAAATCACACTTCCTGGAGA
CAACATGACTTTCCAGGAAATAATCTCTTCTAGGGAGACTATTATGAACGGGGACTTTTATGAGAACGGG
AACCAGCTGCTGCACAAGGATTACATTACCGATATGGGCAAATTTAGGGCTACCTTCCTCTCTCCAGGCG
TCGATATTTTCATTGCCTCTGATATCGTCTCCGATCTGAAGAATGAATCAAAGAGATACGTGTTCGTGAA
TGTGTGGCTCCAAAAGTGCGTCAGCGCGGGCGTCGAGTCAACCCGAATCGAGCGGGTGTTTAATGAGCGG
ATCAAAAGCTACGTGTTGCCTAAATCCTTCTTGTGTGACGAGTACTTCGTGCTCGGCGACATTTCCGGTG
TGTACGAGTGGGGCATGCTGATCGACCTTGCATTCCTGGCCGAGATGATCCGGAAGGACTTGAAGCTCAA
GAGCTGCACTGACACTACCACGGACATTAGTGAAGACGACCTGCTGCTCTGCGCCGCCAGGCGCAGCAGC
GATATCCTCCAGATAATGCAGCTTGTGTTCACCGTCCATGTGCAGTTTTTCCAAAGGTATAGCCTCCAAA
CCCTTCAATTGTTCAACAAACTGCGGGGCATGCGGATCGTGACAGGGGTGTTCAGCATAGAGAAGTTCTC
CATAAGTATTTTGCGCCTGTTCTTCAAGTGTGCCTTTAATATGACTCTGTCTGCCTCCAAACCAAGGTAC
ATCCCTGGAAAAGCATATAGGAACCTGACTAAAAATGATCTGGAAAACATGTTGGATAACTGGGAGATCA
GCCGGACAAACCTGAAGACTTGCAAGGAACTTCGGAAAGCCCTGACCGAAGCTAGCAGGGCTCGAAGAAA
GCAGACAATTTACAAACTCCAGGGTAGCGATATCTCACTGTCAGTGTCCGAGGTCGGCGTTTTCGGGCAA
CATGCCTCACCAGGTGTGTGCGTGAGCAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

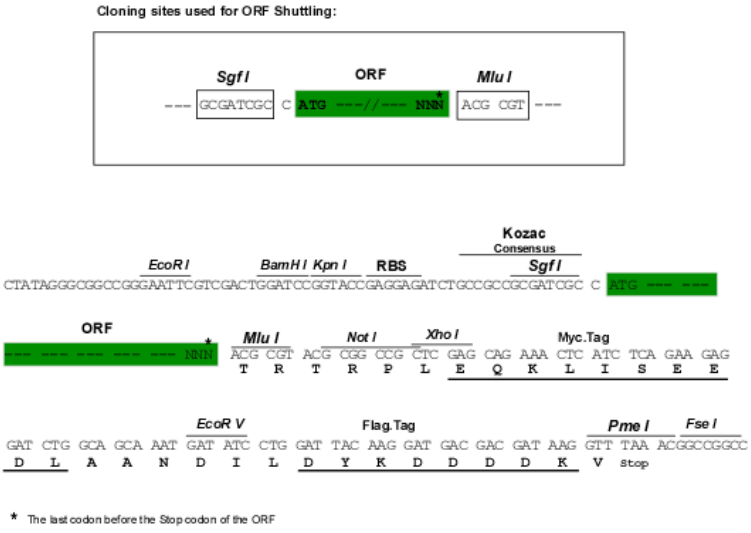
>VC101512 representing NP_050252
Red=Cloning sites Green=Tags

MENRFQNDTLFSEWFGQSLSDVRFPDNVTVYSQADSAVSFENVRQPIKLVRAAMGSGKTTALIHFLKQVP
KELSVLLISCRKTFAAEILHRFTLNGLEDFELYCDITERQINNRKVIVQIESLHRLTENYDVLILDEIMS
IIKQFYSKTMTKTKEVDCKFLSLIKNSSHVIAMDATLTRHVVEFFAAFKPDTQIALIRNTFVSAMFSNRV
AYFCDTFFGKEFSFFARLEDKLRWDKKLCLFCSTVLAAEYMHDLIRSRFSLKKVLLLTSKQGKCSSIESW
IRYDVVIYTSVVTVGLSFEPVYFSSLFVYIQLAKGGPDMVSIFQSIGRVRRVIDEDIYIYMNPVLIKSYD
PLAPIAMPPCSDWSVAEQSIISESCIDFRGKCSGAHKYNFCSVLKCLFRYRHYIEKTTITSLSDSLFLLC
SLLCENSIKVDIVGNGFPMRKEVFLSFLQILVEECHFIEKKITLPGDNMTFQEIISSRETIMNGDFYENG
NQLLHKDYITDMGKFRATFLSPGVDIFIASDIVSDLKNESKRYVFVNVWLQKCVSAGVESTRIERVFNER
IKSYVLPKSFLCDEYFVLGDISGVYEWGMLIDLAFLAEMIRKDLKLKSCTDTTTDISEDDLLLCAARRSS
DILQIMQLVFTVHVQFFQRYSLQTLQLFNKLRGMRIVTGVFSIEKFSISILRLFFKCAFNMTLSASKPRY
IPGKAYRNLTKNDLENMLDNWEISRTNLKTCKELRKALTEASRARRKQTIYKLQGSDISLSVSEVGVFGQ
HASPGVCVSS

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NC_000898

ORF Size: 2340 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_050252
RefSeq ORF:	2340 bp
Locus ID:	1497073
MW:	89.6 kDa