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Product datasheet for VC101340

US23 (NC_006273) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	US23 (NC_006273) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	US23
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>The Viral ORF clone VC101340 represents NCBI reference of YP_081608 with codon optimized for human cell expression
Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTGGCGGACCCGGTGGGAGGATGGCGCTCCAACCTTCACAAGAAACGACGAGTTCCTGTACTGCCACA
CACGGTACGAGACCTTCCTCCGGGTGATGGGGGACTTCCAGGGCATCTTCGAGTGCCAGTACTCCGCCGA
TGTGCTCAGAGACTGGGTGCGGAACCACGTGGACCAAGTCCTCAGCCTGGGCATCCCACATAACTGGTTC
CTGCAGGTGAGACCCGGAAGCACAATGCCCGAACTGAGAGATCAGCTGCTGGATGACGTCATTTGTTGTC
CAGAGCGGCTCATCGTGCTGGGCAAGTGCGTCATCATGGTGGATGATCACTATGAGGAGACCGAGCTGGT
CCTGTGCATGGGAGGCGGAACCAGACTGTACATTTATGAGCCCTCCCAGGAAATCCTCCTGCTGTGCGCA
CGGCACCTCGATGAACTCGCCCGGTATGGCATGATGTACACCGAAGCCGTGTACCGGCAGCCCCAGACCC
CCTTTGCAACCCGGGTCCCACATGACGTGGTCGCCATGCTGCTGCGGCACGGGCACGACACTGACGCTCT
CGCTGCATGCGTCGGCGAGCACCACGGCCGGGACGTGAACTTCCACACCCCCGGCCGGCACGCCAAGACC
CTGAAGCTCCTCACCAGCTTCGGATGCCTCACCGACTGCTGGCCCTTCGAGGTCGCCCCCGCCGCCCGGC
TCGCCGAGTGCGAGATGTATGTGACCCTGCAACTGCGGTGCCGGTGGTACCTGCTGGGGGCTGTGGGGAG
CTATCGGGCCGGCGGCTTTTTCGACACCTCCTTCCTCATCATCTTCGACCGGTTCTGCCGGTTCTACGTC
GTGATTGTCAAAAGCCACCTCGACCGGTCCCCCCCCCTGCAGCGGCTCGCCGGGGAGATCTACCGGCTCG
CCGACAGCCTCGAGGAGCTGTTCCGGGCCGGCCTGATGAAGGTCTACGTGCGGCGGCGGTACGAACACGG
GCTGCGGCGGGCCGCCCGGCTGGAGCGGAACGGCGGCTGTGTGCATATGGGCGAGGCCGCACGGCTGCAC
TTCACCATGTTCGATAGCGGCGTGGACCGGGACTACGCCCGGCAGTTCCGGTGGCTGTGCCGGGGCGACC
GGTTTCGGGCCGAGATGCTCAACAACTGGGACGGCTGGGACGCCTTCACCATCTGGCAGGCCCGGGTCGT
GCGGGGCGACTTCGCCGAACGGCGGCGGCCCCGGAGCCTGGGCGACGGCGAGGAGGAGGACGAAGGCAAT
GACGGCCGGGCTATGCCTGTGGTCAGACGGCGGCCCCCCCCAATGCCCCGGGACGACGACGAGGACAACC
ACGTCGTGCCCGACAACCAGAACCTGGAGGTCATCCACGACGCCCTGGCCGACGACGAGGAGCAGGGGGA
GGACGATGACGACAGCGGCGCCGAGCCCATGGAGCCCGAGGAGAACAACGTGGTGCCCAACGTGGATCGG
CGGGGCGGCGAGGACGCCGTGGCCGCTCGGATGGCCGCTGGGCATGAGTCCGACGACGATGAGTGGGAGG
ACCTGGGCTTCGACCTGGAAGAGGACACCGTCTTCGATCTGAAAGACGTGGATGAATGGTTTGAGCAACG
GCGGCTGGCCGAGAAAGAGCGGTGGCACCTGGGCCAGCGGATCGTGAATGCCTATCGGACCGAAGCTGAG
GTGAGCGAGGCCGAGGTCGAGGCTCGGCGGATCAATCTCAACACCGACCTGTCCCCCGAATGGGTGAAGA
GCTTTGATTTCCGGGAACATTTTGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

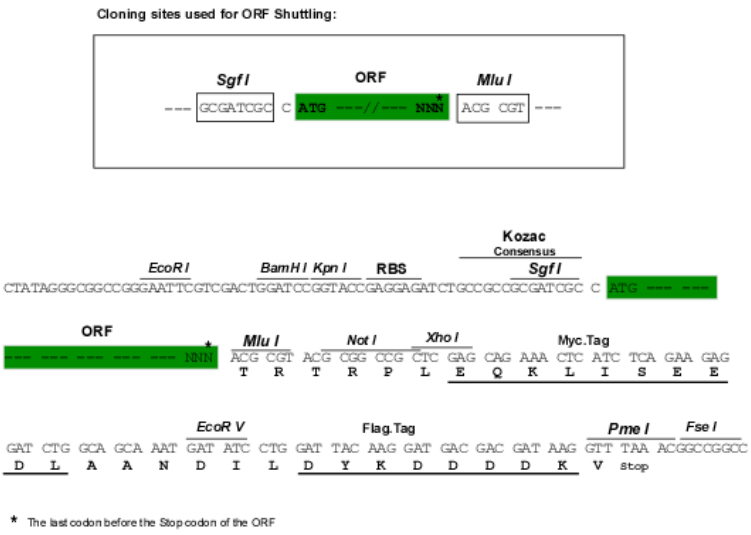
>VC101340 representing YP_081608
Red=Cloning sites Green=Tags

MWRTRWEDGAPTFTRNDEFLYCHTRYETFLRVMGDFQGIFECQYSADVLRDWVRNHVDQVLSLGIPHNWF
LQVRPGSTMPELRDQLLDDVICCPERLIVLGKCVIMVDDHYEETELVLCMGGGTRLYIYEPSQEILLLCA
RHLDELARYGMMYTEAVYRQPQTPFATRVPHDVVAMLLRHGHDTDALAACVGEHHGRDVNFHTPGRHAKT
LKLLTSFGCLTDCWPFEVAPAARLAECEMYVTLQLRCRWYLLGAVGSYRAGGFFDTSFLIIFDRFCRFYV
VIVKSHLDRSPPLQRLAGEIYRLADSLEELFRAGLMKVYVRRRYEHGLRRAARLERNGGCVHMGEAARLH
FTMFDSGVDRDYARQFRWLCRGDRFRAEMLNNWDGWDAFTIWQARVVRGDFAERRRPRSLGDGEEEDEGN
DGRAMPVVRRRPPPMPRDDDEDNHVVPDNQNLEVIHDALADDEEQGEDDDDSGAEPMEPEENNVVPNVDR
RGGEDAVAARMAAGHESDDDEWEDLGFDLEEDTVFDLKDVDEWFEQRRLAEKERWHLGQRIVNAYRTEAE
VSEAEVEARRINLNTDLSPEWVKSFDFREHFV

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_006273

ORF Size: 1776 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_006273.2, YP_081608

RefSeq ORF: 1776 bp

Locus ID: 3077446

MW: 68.9 kDa