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Product datasheet for VC101676

ORF44 (NC_009333) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ORF44 (NC_009333) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF44
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>The Viral ORF clone VC101676 represents NCBI reference of YP_001129396 with codon optimized for human cell expression
Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGATAGCTCTGAGGGATGCACTGACATGGACGAACCCAGTCCTGGCTTCATATTGAATATGACATCTG
ATGCCAAGGTTCGGTCCGTAGTTGAGCAGATCGATCGCTTGTCTAACATCACAACATCACCACCCGAGAT
GGGTTGGTACGACCTGGAATTCGACCCCCTGGAAGACGAAGGTCCTTTTCTCCCGTTTAGCGCATACGTG
ATTACGGGAACTGCGGGGGCCGGGAAGTCTACCAGCGTGAGCGCGCTGCACCAGAACCTTAACTGCCTGA
TTACTGGTGCCACTGTGGTCGCAGCTCAGAATTTGTCTCGCGCCCTGAAAAGTTACTGTCCCACCATATA
TCACGCTTTTGGATTTAAGAGTAGACATATCAACATTTGTCAACGGAAAGTACCAAAGGTCACTCAGTCT
TCTATCGAGCAGCTGCAGCGGTATGAGCTCGCCCGATATTGGCCCACAGTCACAGACATCATTAGAGAGT
TTATGCGAAAGAAACAGAAGGGACAGTACAGCTCTCTGTCTCAGAGCGCATTCAGACTCCTGTGTAGAAT
GGGCGGGGCCAACCTGTGGACCAGCAACATCATTGTGATTGATGAGGCCGGGACACTTAGCTCTCATATT
CTCACAGCCGTGGTGTTCTTCTATTGGTTCTATAATTCCTGGCTGGATACACCCCTGTACAGGAACGGAG
CGGTCCCCTGCATCGTATGTGTCGGGTCTCCGACCCAGACCGACGCCTTTCAGTCCGTGTTCAACCACAC
CCAACAGAGAAATGAGATTTCTGCGTGCGACAATGTGCTCACTTTCCTTCTGGGGAAACGCGAAGTGGCG
GATTACATTCGCCTCGACGAGAACTGGGCGCTGTTCATAAACAACAAACGCTGTACCGATCCCCAGTTTG
GCCACCTCCTCAAGACACTTGAATACAACCTGGATATTTCCCCTGAGCTTATGGACTACATTGACAGATT
CGTGGTGCCGAAATCCAAGATTCTGGATCCTCTGGAGTATGCCGGGTGGACCCGGCTCTTCATCTCACAC
CAGGAAGTGAAGTCCTTTCTTGCAACTCTGCATACTTGTCTCAGTAGCAATAAGGATGCAGTTAGTACTA
AGCTCTTCACATGTCCAGTTGTGTGTGAGGTTTTCACCGAGCCTTTCGAGGAATACAAGCGGGCCGTGGG
TCTGACCCACATGACCCCCATTGAATGGGTGACCAAAAATTTGTTTCGGCTGTCTAATTACTCCCAGTTC
GCAGACCAGGACATGGCAGTTGTGGGAACATATATTACCGATGCCAGCACCCAGATCACCTTTGCCACTA
AATTTGTAAAAAATTCTTACGCCACCCTGACGGGGAAGACCAAGAAGTGTATTTGTGGATTTCACGGATC
TTATCAGCGCTTCAAGTCTATCTTGGACGGCGAGTTGTTCATTGAATCCCACAGCCATGACAACCCAGCA
TATGTGTATAGTTTTCTTAGCACACTGTTGTACAACGCAATGTACAGTTTCTATGCCCATGGGGTTAAGC
AGGGGCACGAGGAATTCCTGAGAGACCTGCGCGAGCTGCCTGTTTCTCAAGAGCTTATTAGCGAAATGTC
CAGTGAGGACGTACTTGGACAAGAGGGAGACACAGACGCATTTTATCTGACCGCCAGCCTGCCTCCATCC
CCAACCCACGCGGCCCTTCCCACACTCGTGGCATATTACTCCGGCGCCAAGGAGCTTTTCTGTAATCGCC
TGGCCCTTGCTCGGCGGCATTTCGGCGATGAATTTTTGCATAGCGACTTTTCTACCTTCACCGTCAACAT
CGTGGTGCGGGACGGTGTGGACTTCGTGAGTACTTCACCCGGCCTGCACGGTTTGGTTGCTTATGCCTCA
ACTATCGACACATATATCATCCAGGGTTATACCTTCCTGCCCGTTCGATTCGGTCGCCCTGGAGGTCAGC
GGCTTAGTGAGGATTTGAGACGAAAGATGCCCAGTATTGTGGTGCAGGACTCATCCGGGTTTATCGCCTG
CCTTGAGAACAATGTAACCAAGATGACAGAGACATTGGAGGGCGGGGACGTCTTCAATATATGTTGCGCT
GGCGACTACGGGATCTCCTCAAACTTGGCTATGACAATTGTGAAAGCTCAGGGCGTGTCCCTTAGTCGAG
TCGCCATTTCCTTTGGAAATCACCGCAATATTAGGGCCAGTCTGGTCTACGTAGGCGTGTCCCGAGCCAT
CGACGCTAGATACCTCGTCATGGATTCCAACCCCCTGAAGCTCATGGACCGGGGTGATGCTCAGTCCCCT
TCATCAAAATATATTATAAAGGCCCTCTGCAACCCTAAGACGACCCTCATCTAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

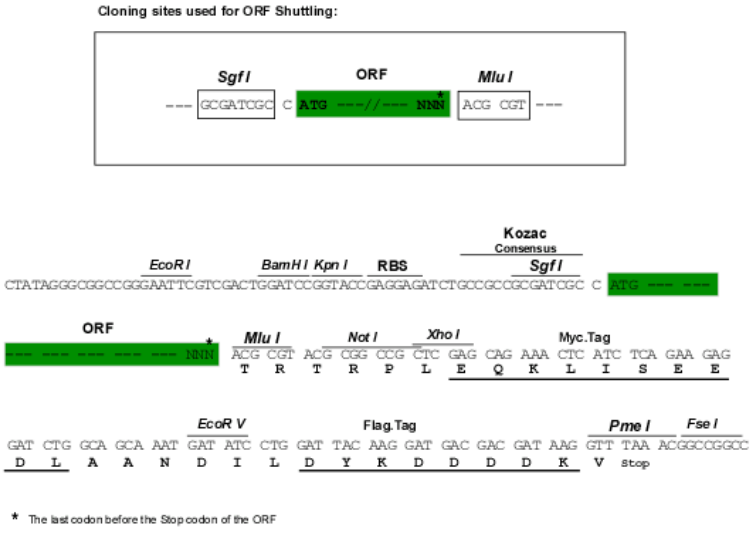
>VC101676 representing YP_001129396
Red=Cloning sites Green=Tags

MDSSEGCTDMDEPSPGFILNMTSDAKVRSVVEQIDRLSNITTSPPEMGWYDLEFDPLEDEGPFLPFSAYV
ITGTAGAGKSTSVSALHQNLNCLITGATVVAAQNLSRALKSYCPTIYHAFGFKSRHINICQRKVPKVTQS
SIEQLQRYELARYWPTVTDIIREFMRKKQKGQYSSLSQSAFRLLCRMGGANLWTSNIIVIDEAGTLSSHI
LTAVVFFYWFYNSWLDTPLYRNGAVPCIVCVGSPTQTDAFQSVFNHTQQRNEISACDNVLTFLLGKREVA
DYIRLDENWALFINNKRCTDPQFGHLLKTLEYNLDISPELMDYIDRFVVPKSKILDPLEYAGWTRLFISH
QEVKSFLATLHTCLSSNKDAVSTKLFTCPVVCEVFTEPFEEYKRAVGLTHMTPIEWVTKNLFRLSNYSQF
ADQDMAVVGTYITDASTQITFATKFVKNSYATLTGKTKKCICGFHGSYQRFKSILDGELFIESHSHDNPA
YVYSFLSTLLYNAMYSFYAHGVKQGHEEFLRDLRELPVSQELISEMSSEDVLGQEGDTDAFYLTASLPPS
PTHAALPTLVAYYSGAKELFCNRLALARRHFGDEFLHSDFSTFTVNIVVRDGVDFVSTSPGLHGLVAYAS
TIDTYIIQGYTFLPVRFGRPGGQRLSEDLRRKMPSIVVQDSSGFIACLENNVTKMTETLEGGDVFNICCA
GDYGISSNLAMTIVKAQGVSLSRVAISFGNHRNIRASLVYVGVSRAIDARYLVMDSNPLKLMDRGDAQSP
SSKYIIKALCNPKTTLIY

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_009333

ORF Size: 2364 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_009333.1, YP_001129396
RefSeq ORF:	2364 bp
Locus ID:	4961457
UniProt ID:	Q2HR82
MW:	88.2 kDa