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Product datasheet for VC102352

ORF062L (NC_003494) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ORF062L (NC_003494) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF062L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>The Viral ORF clone VC102352 represents NCBI reference of NP_612284 with codon optimized for human cell expression
Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCCGACAGGATCTTTGAGTATTGCCAGGTTGCAGTGACCCCAGCTTGTTACCGACCCGTCGACACTA
TGGCACAGAAGGATCATTGCGCTGTGGCAACTATGACATCCGATGAGGACGAGAGTGACACCCAGCCCAG
GGACTCCGAGGACGAAGACCGGCGCCAAGCTCGCCCGCCCAGTCAGGTGCGCAAAAGACCAGCCACATTT
AAGTCATACTCAGCATGTATGCGGAATCCCATTGGCGCAATAAGAGAGCATATGAAGCGCCTGAATATGG
CCACCCGAAAGAATGGCCACGATATGACCAAGGCCGAGCTGTGCGCCCAACTGTTCAAAATGCCCAAGCC
AAAGCCCAAAGATCAGCAGTCCAGCAGATCAGGAAAAACTATGGACAACCTCATGCGCAAGTACACACTC
GCCCAGATGCAACAGATGTGCACCGAGAGAAATATTCCTATAACCGAGAATGGTATGCCATTGTACAAGC
ATGCCTTGTGCACCAAATTGTTCTTCGATGGGGATAATGCTAGAGCCAGCACAAGCGCCGCCGTCGAGCG
CGTCATGGCCCGCTATACCCCCGAGCAGTTGCAGTTCATGTGCCAAGATTCTAATATCGTTATCATGGAC
GATGGCCGGGCTGTAGATAAGTCCGCGATCCTTGCCAAGCTGCGCGAACAAGCGTCTAGCGGCGAGGAAG
GTGAAAATGTGTCAGGGGATGATGCTCCTGTTGAGGATAACAGCGCACACGGCAGTAGCCTCGGGGACGC
CACCTCTAATAGTGGCGAGCAGGATGAGTACGCCGATGAAAGCCACGTCCCCACAATGCGGGAGTGCAAA
GTGATGGCTACCAGAACAGTGATTAGGATGTGCGAGCAGAGGGGGATTGATACCATAGATAGAGACACCG
GCCGCCTCCACACCCACCATAAATTGTGTCAGATGCTGACTGGGGCCTCTCCGACCATCCCGCTGCCAAA
AACAATGACTGAGTGTACCAAACTTCCAATCGAGGATGTGCATAACAAATGCGATGAGATGGGGATCCCC
CTCATCGATCCGATGTCCGGTCTCAAGAGGAACAAGAGAGACCTGTGTAAAAGGCTCCTGGATATGCGGA
ATACCACTCGCCCCCTCCAGCAAGACGATCTGCCCGAGCGGCCACTGCAAGACGAGCCCACCTTCCGCCG
GCTGCCAGAGCGACCACTGCAGGATGAGCCTACTGAACGACCGCAGCCCCGACCTTTTAGGAGAGTCCCA
TCCCAAGATGATGATGATGACATGTTGTCACCACATGATAGGCCTGACAAAGACAGCCCGTTTCGGCGGC
CACAGCAGGAACCAGGTCGAGCGAGACAGGACCACAGACCTTCCCCGCCAATGAGAGATGTCTCATCTCC
TTTCCGCAGGCTGCCCGAACCCGAGGACCCGAGGGATATGGATCAGCGGGGGCCTGACAGTAGTCATTTG
AAGAGGCCACTGCAGAGCGATGACGACTACGGACATAGGAAACGGTCTGTCGCCGTTCCGCGACTTCCCA

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CCAGACCGCTCTCATCCATGTACTCAGACATTTCTGAGGACGACCTCCCTCCACAAGACGCCGTGGACGA
ACCGATGTACACAGCCGTGCAGCCAGCTAGTTACGCTATCTGGCAGCAGCTGATTGCAACAATGAGCGAC
AACAAATTGTATGACGCATGCATTGAGGGGGGCGTACCTCTGCGGGACACTCACACAGGCGAGCGCCACA
CTCCAAGAGTACTCAAAATGGAACTGCTTGAAGCGGTCCATCGGGAACTGAGGATTAGTCAGAGGCAGTA
CGAAGAGCCGTTGTACGGCACGGAGACAATCGCTGACCTGAGGAGAATGTGTACCATGGCAGGCATCAGT
ATCAGGGATGCTCATGGCGACTATAGGAATGAAGATGTCCTGCGCGGCCTCTACGTCGAGCATCTGTCAG
ATCCGTGGCTGTGGCCTCGCATGGTCGACATTGAAGACATGGTGAATATGACCGACCGGAGAGAACTGAT
GGACACTGCCCGCTCCATGAATATTCCTATCGGTTACGATTATGTCCGGGGCACTAGAATGATCGAGGAG
ATAGCTAGGGACATCCTTTACGAACAGGCCGCAGCTCGGAGGCGAAGTCTCTACGATTCTCCTGCAGAAC
AGTCTGCCAGACGCAATGCAGATGCTTTCGCCACCCACACTGTGCGGAGCCGCCAGCCTTCCATGCGGAT
GCCCCACACGCTCAGTCCACCCCAGCCCATTGCTAACACCTCTCCAATAATGAGTACACAGCAGCCCGAC
GTCCCTGTGATCGCCACATTTAACAAAGGCCTTCGAAGCGCCAACCCCTACCCTGCAGCCGCTCGCGACA
TCCGGCCGCACCAGGAAACCTACTTGACCAAGCGCCTCTATCAGTCTTTCATAACACCTTTGCAGCTTTC
ACAGGATACCTTGGCACACGGATTCGATAACGCAATTGAGTACACGTCTATCGAAGATATGCCCCTTGAA
CACAGAGAGTCTGGGGACATGGTGATGACTTATACTCCTTATAACCCAATATGTGCCTGTGTCAAGGACT
ATGCTGCCGAGAAGGTGCGGGATGTGATTAGGGAACCTACTGCTCAGGAGCTGGAGACGCTGGAAATGTA
TGAGATCAGTGCCGAGGAGCTGAGTTCAAGGCGGGCTGCCGCACCTAAAGTCGTGCTGAACGATCGGTAT
TACGCACCGCATAGCACTCTGAGGTCTCGGGACCGCGTGCCATGCGACATGCACGTGGGCCACTACAAAC
GCTACATTGATGATGTGCTTGAAGCTTACGCCCTTAGGTCTGGCCCGGAATGGCGCGTTAGAATGAGGTA
CGGCAAGATGACCCCAGCACTGCAGCCCCTTCTTTCCCCTATCCGGTCTCCCGCCCCACCAGTCCCCCGC
GCCCGGGCGCGAAAAAATCCTCGCCCCTGTCAGCTGAAAGTAAGCGATGTAGAGCAGGACGCCACGGTCG
TGGACTATTTCCAATGGTCTGAACAGGACTACCAGACTCATACTGAATGGCTGATGGACACACAGAAGGC
CTACGCTGTCCACATGCTGCTTACGAAACTGGGATATCAGGTTACACCCGATCAAGATATGCGGGAATAC
CTCCGCCAATTCACTATACGAGACTTTGGCGAGTTGTTCAAAAAGCTGGACCCAGAAGGGAGAGTCTTCC
AGACGCCGCTGGACTTGAAGATGTACGACGGATACTTCTATACGTTGGAAAGCATGCTCGATTACATCGA
CACCTCAACCGGCGAGCTCCGCACTACTCAGCAGTTTCAGGACTACATTAGGCTGAACCCACAAAGAAAC
ACTCGCCTGCGGACAGGGCCTGAATGGACACAAGTGGTGGACGTGATCCAGAATGAAATACAGCAGCAGA
TGCTGTCTACACAGTTGGGGGCACTGGACCAGCACACTAATGACGATATTTCTGATGTTGTTTCTATCCC
CCAAGGTAGCCTCAGAGATCTCTTCGGCCTCGAGGATCTCCTGCAAAACGAGAATGATTTCATGATGGAA
TACGTCGGCCCTCAACTGACGGAATGGCAGCCGCTGGGGGTGAATGAGAACCAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

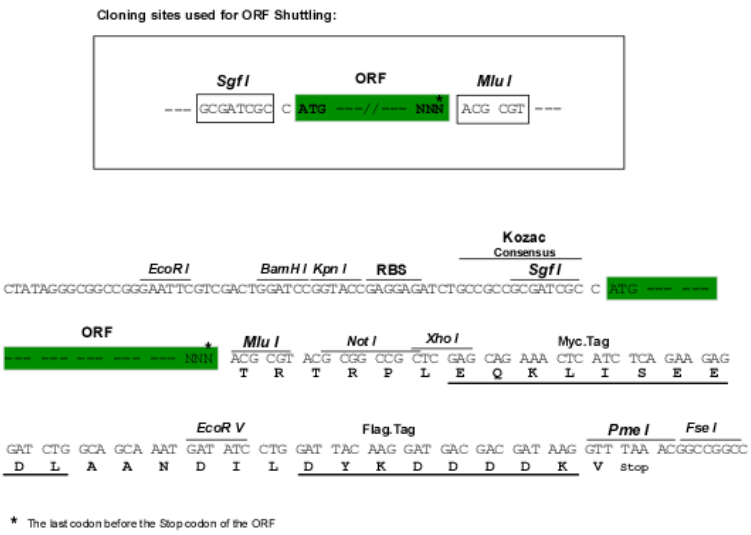
>VC102352 representing NP_612284
Red=Cloning sites Green=Tags

MSDRIFEYCQVAVTPACYRPVDTMAQKDHCAVATMTSDEDESDTQPRDSEDEDRRQARPPSQVRKRPATF
KSYSACMRNPIGAIREHMKRLNMATRKNGHDMTKAELCAQLFKMPKPKPKDQQSSRSGKTMDNLMRKYTL
AQMQQMCTERNIPITENGMPLYKHALCTKLFFDGDNARASTSAAVERVMARYTPEQLQFMCQDSNIVIMD
DGRAVDKSAILAKLREQASSGEEGENVSGDDAPVEDNSAHGSSLGDATSNSGEQDEYADESHVPTMRECK
VMATRTVIRMCEQRGIDTIDRDTGRLHTHHKLCQMLTGASPTIPLPKTMTECTKLPIEDVHNKCDEMGIP
LIDPMSGLKRNKRDLCKRLLDMRNTTRPLQQDDLPERPLQDEPTFRRLPERPLQDEPTERPQPRPFRRVP
SQDDDDDMLSPHDRPDKDSPFRRPQQEPGRARQDHRPSPPMRDVSSPFRRLPEPEDPRDMDQRGPDSSHL
KRPLQSDDDYGHRKRSVAVPRLPTRPLSSMYSDISEDDLPPQDAVDEPMYTAVQPASYAIWQQLIATMSD
NKLYDACIEGGVPLRDTHTGERHTPRVLKMELLEAVHRELRISQRQYEEPLYGTETIADLRRMCTMAGIS
IRDAHGDYRNEDVLRGLYVEHLSDPWLWPRMVDIEDMVNMTDRRELMDTARSMNIPIGYDYVRGTRMIEE
IARDILYEQAAARRRSLYDSPAEQSARRNADAFATHTVRSRQPSMRMPHTLSPPQPIANTSPIMSTQQPD
VPVIATFNKGLRSANPYPAAARDIRPHQETYLTKRLYQSFITPLQLSQDTLAHGFDNAIEYTSIEDMPLE
HRESGDMVMTYTPYNPICACVKDYAAEKVRDVIREPTAQELETLEMYEISAEELSSRRAAAPKVVLNDRY
YAPHSTLRSRDRVPCDMHVGHYKRYIDDVLEAYALRSGPEWRVRMRYGKMTPALQPLLSPIRSPAPPVPR
ARARKNPRPCQLKVSDVEQDATVVDYFQWSEQDYQTHTEWLMDTQKAYAVHMLLTKLGYQVTPDQDMREY
LRQFTIRDFGELFKKLDPEGRVFQTPLDLKMYDGYFYTLESMLDYIDTSTGELRTTQQFQDYIRLNPQRN
TRLRTGPEWTQVVDVIQNEIQQQMLSTQLGALDQHTNDDISDVVSIPQGSLRDLFGLEDLLQNENDFMME
YVGPQLTEWQPLGVNENQ

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NC_003494

ORF Size: 3624 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_003494.1, NP_612284
RefSeq ORF:	3624 bp
Locus ID:	935398
MW:	138.9 kDa