

## Product datasheet for **VC102404**

### ORF114L (NC\_003494) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ORF114L (NC_003494) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF114L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>The Viral ORF clone VC102404 represents NCBI reference of NP\_612336 with codon optimized for human cell expression

Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCCCGTGCTAGCGCCACCAGACGCTGGCGAGCTCCACACAGCACGCGGCCGTGGAGCCCCAGCATGT  
CCAGAACGCCTGTTAGGCCCGGACTGTCCAGTGCAGCAGCCGTGGCCGTACCCGGACATATAGGCCCTG  
GCTGCCTGCCCTGTGCTTGGTCGCAAGTGGACACAAAACGGCGAAGAAACGTCTTTGAATACTGCAAGTGC  
TTTGTGGATACTGGTTGCCATGCACTTACACTATGATCGTGTACACCGACCGAGACTTCTGGCAAATC  
TTGAGTACGACCCTGATCGGAAGTGAAGGGATGGGATGTACGAGTGCACCTATGACACTTTGTG  
TGCAACCTATAATTATTTGTGTACCAGACTCCCGAATTTTTTTTCGTCAGGTTGACATGGTGAACCA  
GTCACCTATGCTTCACATCAAAAACAGAGGATATTACAACAAGGCATTGGAGAACATTGATAAGGGCGACA  
TGCCCTTCTGACGTGCCCCATCCAACCTATTGGTTCGTACAGACGGTACGTTTCATTTCTGTCGACAAATG  
CATCGTGAGGCAAGACCACACTCTGTGGTTCGAATACATTGCCGACGTTTCCCGGCATTCAAGGTGCGC  
GATGTCGATTTTTTCATTAATCCCTATGCTAAGCCTTGGCTCTACGATCATGCTGCTCCCACTGCTGA  
CTCCCTACCATTGCAATCCAGGTCTGTATCAAGATATACCCGTGTTGCTTCCACCTGGACATAACCTCAA  
TATCAGTGTGAAGCCTAGCCTGGTTGGAACGGCCATGTGGATAGGTTGCATGACAACCGACGCCGCATG  
GGCCTGGCGGACTACGAAGTGGGCACTTTGGTGATTTGCAACACCTCACCTTGTGACAGACCATTGT  
TGTTGCATGACAGAGTATATGTGAACGCACACAAGAGGGCTGTCCGGTAGACTCCTGTGATACCCCTCC  
CCCTTTCGACTATATGGTCCACGTTTGTGACACAGTGGATAAATATACCCCTGTGGACAAGTTCTATGTAC  
ATTAACGTGCCCGTCTGATTGTTGGTACTTGTCCATCGGACTGATAAGGCCCTGGCAACATTTTGTC  
CAGTTAGCGCCACTCTGCATGACCTGGCTGATGGCATCGAGTGGTGCAGATCACACCCAAAAGAGTGTGC  
CACAATGGTGCGCCCGTGAGCTCCATGTGTAGAGAGAGACTCTTTGAGCGGACCCTGTACAGACTCTC  
AATGCTACAGCAGCCAGTGTGGAAGAAGTACATAATCAACCCCTCTACCATATGGTATAGTGGCAGC  
ACGAATATATGTCTGTAACACCCACCGCACCGGATTCCATCGAACCTTTCGGTACACACAGTCT  
CAGTAACATTGATATGTCTCGCAAGTCTACGCCCTTGTCTCGCGCATACAGGATATGCTGAGCCACAAG  
GCATTTTCTTACGATCAGCATTGTGCGGTGACAAAACGGACACGCATGCCATTTTCTACGGGAATGGCG  
ACATGATTATTGACTACACAGCTACAGTCAACGGAATCTCAATCGCTGCCAGGGCTTACAAGCGCTAGA  
TCATCTTATCCGCGACTATGTGTTCTCTAGGCTGTGCACAAATCCCTGAGACGACACTGCGCAAATTT  
CAGTATGTCTACAGTGTAACTCACTGCAGTGCATGGGGCATGAGAGTGTGTGTAAGACGTACAAGGTC  
CAACCCTGGCACAGTGGATATGTTCTACTGCCTTACCTGGGAGACACTTCTCAATGTCTTGGCTAGGCT  
GGTGTGGCTCTGGACTACGCCCTTGTGAAAAATCATTATGCACTATGATATGACAGCTCACACAGTT  
GTAATTGTTAAGGATCCAGACGAGTGGAAAGTCCACCACACACCGGGAGGGCCTATGTGCTGCCAACCA  
TCGGCATCCGCCAGTCAACAATATGGGAAATGCAGCCGGAGCGGTGTTTCATGCAGGCTATGGTGG  
CGTCATGCCCACTGCACACACGACATGTTCAACCCCACTATGAGGCAGTGTCTGGATACAGTGACACTC  
GTTGTAAGCTGTCTGGACGTGCGACGCGAATACGGGCACGACACAGGCCCTTATTCTCTGCTTCTGTACG  
ATGAGTTTTTTGGCTATAAAGGTGTGCTTCATGTCCAAGGTAGGGCCTTACGGAGCCCTTGGCGCCATAT  
AAGCTCTGAGCATAGGCTGCAAGATTATGCTACCTACGTGGTTCAGAACGTGCTTAAGGTAGCACCCGTG  
GCACATGCACCTAACCCATACGTGCGAATTGGTTACTACAAATACGTCTCCATGTGCGCGAGGTATGGTG  
TCGGAACACTTTCCGCTGGAAGGAACCTCGACGAGCTTGGCGGACAGCCATACCACCATCAATAG  
CATGCTGCACAACGCCACCACAGATGTGTACTGCTCGGCTCTTGGTTCCCTTCGTTGACAACCGC  
GTCCCTCCAAGCTGCGCTCTGCTGGCAGCATATCAGGGGTATGCTGCTGGACAGCATGCCTGTCAAGC  
CTGTTCTATGCACGCGCAGAAAACGATGCTTACTGTAGGCTCTTGAAGGCACCTTCAATACCAATGT  
GGCGATGATTAATTGGCTGCTGTGCATAGAAGCAGCTAACGACATGAGTCGGTCCCTCCCCGGATGCT  
CCTTCCACGCCGTGATCATGACAGAGAGACATGATACCGCATGTTGTTGCATCAGTTGTTGTGGCA  
ACCTGGTGAACCACCTGAAAAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >VC102404 representing NP\_612336  
 Red=Cloning sites Green=Tags

MPAASATRRWRAPHSTRPWSPMSRTPVRPGLSSAAAVVPGHIGPWLALCLVASGHKRRRNVEYCKC  
 FVDTGPCCIYTMIVYTD RFLANLEYGPTDREVRDGMYECTYDTLCATYNYLCTRLPEFFVQVRHGEP  
 VTMLHIKNRGYNKALENIDKGDMPSDVPHPTYWFVTDGHVHFVDNVIVRQDHTLWFEYIADVCRAFKVA  
 DVDFFINPYAKPCVYDHMLLPVLPYHCNPGLYQDIPVLLPPGHNLNISVKPSLVGTAMWIGCMTTDAAM  
 GLADYEDGHSLVICNTSPCDRPLLLHDRVYVNAHKRAVRVDSCTLPPFDYMVHVCDTVDKYTLLDKFMY  
 INVPLIVGTCSIGLIRPWQHFVPVSATLHDLADGIEWCRSHPKECATMVAAVSSMCRERLFFERTLSDTL  
 NATAAQCRRTHIINPLYHMARWQHEYMSVNTHRD TDSDIEPFGTHSLSNIDMSRKS YAFARGIQDMLSHK  
 AFSYDQHCVRDKRTRMPFSTGNGDMIIDYATVNGISIAARAYKRVDHLIRDYVFSRLCTNPLRRHCANF  
 QYVYSVITAVDGGMRVLCEDVQGPTLAQWICSTAFWTETLLNVLARLVLALDYAF AEKSFMYHDMTAHTV  
 VIKVDPDDVEVHHTHGRAYVLP TIGIRPVIKHMGNAAGAVFHAGYGGVMRCHTHDMFNPTMRQCLDVTLL  
 VVSCLDVAREYGHDTGPYSLLLYDEFYGYKVC FMSKVGYPY GALWRHISSEHRLQDYATYVQNVLKVAPV  
 AHAPNPYVRIGYYKYVSMCARYGVGTLSAWKGTLELERTAIPPSSNSMLHNAHRCVLLGSWFFVDNR  
 VPPKLSRWQHIRGMLLD SMPVKPVP MHAQKNDAYCRLL EGTSTNTNVAMINWLLCIEAANDMSRCP PPD  
 PFHAVIMTERHDTGMLLHQVCGGNLVNHNLEN

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_003494

**ORF Size:** 2823 bp

<b>OTI Disclaimer:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NC_003494.1</a> , <a href="#">NP_612336</a>
<b>RefSeq ORF:</b>	2823 bp
<b>Locus ID:</b>	935384
<b>MW:</b>	106.7 kDa