

## Product datasheet for **VC102303**

### ORF013R (NC\_003494) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ORF013R (NC_003494) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF013R
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 VC102303 represents NCBI reference of NP\_612235 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTTCA~~CCC~~AGCTG~~CC~~CTCAGTCCAGGCAGGGTAGATACTCAGTGACCGGGTACTGCGCAGGACGATG  
GCACTTACACTCTCACGAAGGTGCTCAAGACTTGGGGCAATGAGGGAAGACATGAGCACGCGATGGCTAA  
CCAGGCCACCAAGCAGCCCATGGTGTGTCTGGAGTGACATATACCGACGACCCCACTGATCCCC  
GATGACTCTGGCGCCGAGGCTCTCTCTTGGCTTACGTGGATAAGCCTGTAGGGTGCCAGTACCACGACA  
TGTTCA~~CA~~ATGCTCAAGAGCGACGCTACCAGCGCCGAATCTCTTCTGTGATCGTCAAGTGCTTGGATG  
CCTCTCAGCTCTGTCCGTAGACACATTACCCACAATGACATGCATGTCGCAAATGTGCTTCTGCGATCC  
TGCGAGCACACACAGTGGTGTACGTACACAGGAGGATGTGGTGGCTTGGTACCCACCCATGGGATTG  
AGCCCGTCATAATTGACTTTGGCTGTGAGGTGCAAAGATGCCCGGGCGGAGGACCATGTCTACCGATTA  
CCTCACCCACATCGGGGTGTCTCAGTCTACACAGTGATGGACACTAGGTACGATACATCGGTGTTCTCTG  
ATGAACGTAGATTTTGTGCACCAACAGATGCCCGATAGAACAGACATCGTGCCCTACCAGTGTCTGATCA  
GCACCGTACCGACACAGGATAGCAGGCCATACCCGACCGGCTGAGGTCCATTAATACTGAATTGCAAAG  
GAGGATGCCAGGCGTGACTCGCGGATTGACTGCCGACGTCTTTGGACATGCTGTATGTCTCCGACG  
ACTGTGCTATCCGGGCTCATCACCTTCAGAGGGCAGCCCTCCAGGCCGCGTGGACTGCCCTCCTGGATG  
CGTCCAGTGAGCATGGAGGCTCTGAGTGGAACTTGTGACATGCTGCGGCAGCGTGTGTGAACAAGTG  
CCCAAGACCACTGATGCCCTCGCAAGCTGGCGGCTAGCGTGTCTATAATGTCAATCCCAACAACGCC  
CGGGCATTGCCAGTACGTGTACCAGAAGACCATGTGGCGGACCGCTGCTGACGCCATTATGATCTTGG  
GGGCTCAGGTGGGACACGTGGATCTGACGGGGAATGTTGGAATCGTGGATATCCACACTGGCGATCAGAG  
AATCGAGGCGGCACAGCAATGGGAGCCAAAGGTGGCACTGCGACCTAGAGTCTTCCCGCGGGTCCGCTG  
CCAGATATCCTGGCAGCAATTGCAAGTATGGAGGTGCCACCCGCAATTGCCGATATGCCAACTCTATGC  
TTCAGCACCGACGATGGCTCGGAAATGCGCCCGGTTCCAGCATGCAATCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC102303 representing NP\_612235

Red=Cloning sites Green=Tags

MFTQLPQSRQGRYSVTGVTAQDDGTYTLTKVLKTWNEGRHEHAMANQAHQAAPWCLECTYTDDPQCIP  
DDSGAEALSCVYVDKPVGCQYHDMFTMLKSDATDAAISSVIVQVLGCLSALSVRHIHNDMHVANVLLRS  
CEHTHVYVYVQEDVVACVPTHGIEPVIIDFGLSGAKMPGRRMTSDYLTHIGVSQSTHVMDTRYDTCVFL  
MNVDFVHQMPDRDIDIVPYQCLISTVPTQDSRPYTDRLRSINTELQRRMPGVTRGLTADVLLDMLYVLLRS  
TVPIRAHHLQRAALQAAWTALLDASSEHGGSEWELVDMLRAACVNKCPRLMPLAKLAASVSYNVNSHNA  
RALASHVYQKTMWRTAADAIMILGAQVGHVDLTGNVRIVDIHTGDQRIEAAQWAAKVALRPRVLPGGSV  
PDILAAIASMEVPPAIADMANSMLQHRRWPRKCARVPSMQS

**TR**TRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NC\_003494

**ORF Size:** 1383 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\\_612235](#)
**RefSeq ORF:** 1383 bp

**Locus ID:** 935330

**MW:** 50.9 kDa