

Product datasheet for **VC102354**

putative RNA guanylytransferase (NC_003494) Virus Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>The Viral ORF clone VC102354 represents NCBI reference of NP_612286 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGCTGCCTCCGCACGCTTGGGTTTCATGTCCCGCACAGGGCACCGAGATCTGCGGCTTTATCACCCCG
 GTAAGACATTCCTGGATAGTCGGTATGATACTTATATAGCCGCTGAAGCACATTACCGCCCCCTTCC
 CGACATGTAATCCGAGTAATAGATCTGACTAATACCGCCAGATACTACAACGGACGCGCTTGGCGCA
 TGCTACCACAAGATTAATGCAAAGGACACAATCAGTGCCGCTCTCCAGAGCTGTTAAGGCCTTCATCG
 ACACCGTCGTAGCGGCCCGGGTTGGTGTACGTCCACTGTACCTATGGGTTTAACCGGACTGGGATTT
 GATTTGCTGTACCTGGTGGAGTGTGCGAAAATGTCCGTGCACGATGCCATCCGACTGTTCCGCGAAGCT
 AGACCTCCAGGAATGTATAAAGCCGATTACATTAAGACGCTGTGTGTAAAATAACAACGCAAGGGTCTGG
 CCGTCCCTAGCAATCTTCGAGTTGGCTCCCCGAGCAAGTTGTTGTGACCCACACCGCTCCGGCCAAA
 AGCAGCTCGGCACGTGCTGAGATGCATCTCTGTGAGGATCCCGTGTGCGCGCCGAGATCGTGAGAGTG
 GTCGCGACCACGGTTGGATACCCCTACACCGACCAAGTTCGCCGGTTGTATGCCCGTGTCAATGTCTAAGC
 ACAATTACGCTAGTATCCTGTGCCTGAAGGACGATGCGCGGGCCACCTGGAAGGCTGACGGCGTTAGGTA
 CATGATGTATATCGACGGTAAGGACCGCTCTATGTGATAGATCGCTGCGCCACGTATCCCGGCTGACC
 GCCGACGTTTTTCGTGGGGCCAGATGGAATGCACCTTGTGATACCTGGTGGATTGCGAGTATACCTCAA
 ACGGCACAATGTACATTTTCGACGCAGTATACGTGAGAGGAGTTTATGTGTGCGATGCTCCACTGGACTC
 ACGGCTGGCTAGCGTCCAGTGTGTGGCTCAGGCCATCGGGTCCCATGTCTGTTAGGGTCAAATGCTCT
 GTAGGAATTGGGATTTTGTAGCTGCTGTACTCTACCTATGCAGATCGAAGCGACTGCGATGGATTATCT
 TTCAGTCAAACAGCCGGCCATACTACGGCGGTGCGGATGTGCAGATCATCAAGTACAAGCCTGTACACAA
 GAATACTGTTGACTTTATGCTCGTTCATCCGATGCACAGTGCAGCGGGTTGTATCTCCACAATGATACA
 ACACCATTTGCACAGGTGAGCGCTGGGATCCAGCGATGCGAGGTAGAGTAGTGGAGTGTGCGTATGTCA
 ATGGTACTTGGAGTGTACTGAGGGTTCGGGCCGACAAATCACAGGCGAATACGAGGGTGACAGCTCTGCG
 GGTTTATGAGTCTATTATCCACCCTGTTGACTTCGATCTCTTTCGGGAAACGATTAGCCTTGCCATGCTG
 TTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC102354 representing NP_612286
 Red=Cloning sites Green=Tags

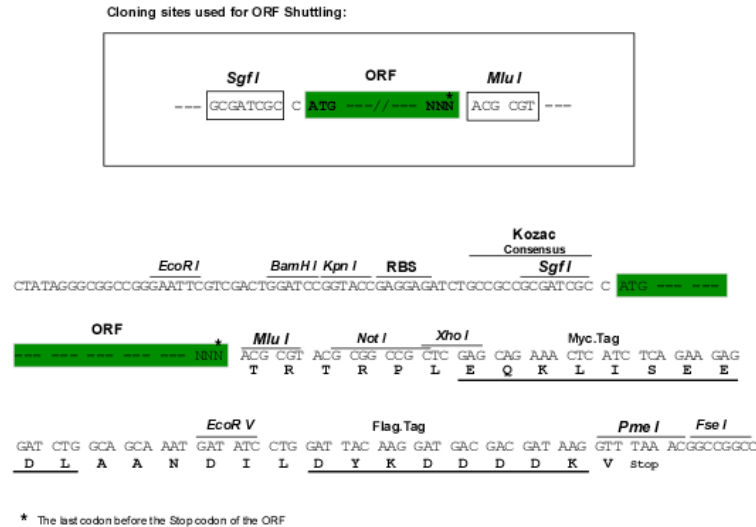
MLPPHAWVSCPAQGTEICGFITPGKTFLDSTRYDTYIAAEAHYRPPLPDMYSAVIDLTNTARYYNGRALGA
 CYHKIKCKGHNQCPSPRAVKAFIDTVVAAPGLVYVHCTYGFNRTGYLICCYLVECRKMSVHDAIRLFAEA
 RPPGMYKADYIKTLCKYKYNARVLAVPSNLPWLPEQVVVTHTASGPKAARHVLRCISVEDPVLAAEIVRV
 VATTVGYPYTDQFAGCMPVSMKHNYSILCLKDDARATWKADGVRYMMYIDGKDRVYVIDRCAHVSRLT
 ADVFVGPDGMHLVDTLVCEYTSNGTMYIFDAVYVRGVYVCDAPLDSRLASVQCVQAHRGPMSSVRVKCS
 VGIGDFELLYSTYADRSDCDGFIFQNSRPYYGGRDVQIIKYKPVHKNTVDFMLVPSDAQCAGLYLHNDT
 TPFAQVSAWDPAMAGRVVECAAYVNGTWSVLRVRADKSQANTRVTALRVYESIIHPVDFDLFRETISLAML
 F

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NC_003494

ORF Size: 1473 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_612286](#)

RefSeq ORF: 1473 bp

Locus ID: 935415

MW: 54.7 kDa