

Product datasheet for **VC101743**

gag-pol (NC_001722) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	gag-pol (NC_001722) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	gag-pol
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 VC101743 represents NCBI reference of NP_056837 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGAGCCAGGAAGCTAGTCCTGCGCGGTAAGAAGGCAGATGAGCTCGAGAAAGTAAGACTTCGACCTG
GTGAAAGAAAAAGTACAGACTTAAGCACATCGTCTGGGCAGCGAATGAACTCGACAAGTTTGGGCTTGC
GGAGTCTTTGCTGGAGTCTAAAGAGGGCTGCCAGAAAACTCTGAGGGTGTGGATCCGCTGGTTCCTACG
GGTAGCGAGAATTTGAAATCATTGTTTAAACAGTGTGCGTGATCTGGTGCCTGCACGCCGAGGAAAAAG
TGAAGGACACCGAGGAGGCGAAGAACTCGCTCAGCGACACCTTGTAGCCGAAACCGGCACTGCAGAAAA
AATGCCAACACAAGCAGACCGACGCCCCACCATCCGGTAAGAGAGGAAATTATCCGGTTCAGCAGGCT
GGCGGCAACTATGTGCAGTGCCTTTAGCCCTCGCACGTTGAATGCTTGGGTCAAGCTGGTGGAGGAGA
AAAAGTTCGGCGCGAGGTGGTCCGGGTTTTTCAGGCTCTGTGAGAGGGTGTACTCCCTATGATATCAA
CCAGATGCTCAACTGCGTGGGAGATCACCAGGCCGAATGCAAATAATTAGAGAGATTATCAATGAGGAA
GCCGAGACTGGGACTCCAGCATCCTATTCTGGGCCTCTGCCTGCCGGTCAGCTGCGGGACCCCTCGAG
GTAGCGATATTGCCGGAACCACCAGCACTGTAGATGAGCAGATCCAGTGGATGTACCGGCCACAGAACCC
TGTCCCTGTTGGTAACATCTATCGAAGGTGGATCCAGATTGGCCTGCAAAAAATGTGTAAGAAAAATACAAC
CCAACAAATATTCTGGACATAAAGCAAGGGCCTAAGGAACCTTTCCAGTCTATGTGGACAGATTCTACA
AATCCCTGAGAGCCGAGCAAAGTATCCCGCGTGAAGAACTGGATGACCCAGACCCTGCTTATCCAGAA
TGCCAACCCCGACTGCAAATTTGGTGTGAAAGGTCTGGGGATGAATCCGACGCTGGAAGAGATGCTCACC
GCTTGCCAGGGCGTGGGGGACCCGGACAGAGGCTCGCCTTATGGCCGAGGCACTCAAGGAGGCTATGG
GACCTCCCAATCCCTTTTCGACAGCTCAGCAGAGGAAAGCAATCCGCTATTGGAAGTGGCAAGGA
GGGCACTCCGCTCGACAGTGTGCGCTCCCGGAGGCAGGGCTGCTGGAAGTGCAGAAAGCCGGGGCAC
ATTATGGCAATTGTCCGGAGAGACAGGCAGGATTCTTGGACTCGGGCAAGGGGAAAAAAGCCAGGA
ACTTTCCCGTACCCAGGCCCCCAAGGCTGATCCCAACAGCACCCCTGCAGACCCCGCTGCGGAGCT
GCTCGAGAGATACATGCAGCAAGGTAGAAAGCAAAGAGAGCAGCGGGAGCGACCCATAAGGAGGTGACT
GAAGACCTGCTGCACTTGAACAGAGAGACACCCCATAGAGAAGAGACTGAAGATCTCTGCACCTGA
ACTCTTTGTTGGTAAAGATCAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101743 representing NP_056837

Red=Cloning sites Green=Tags

MGARNSVLRGKKADELEKVRRLRPGGKKKYRLKHI VWAANELDKFGLAESLLESKEGCQKILRVLDPLVPT
GSENLKSLFNTVCIWCLHAEKVKDTEEAKKLAQRHLVAETGTAEKMPNTRSPTAPPSGKRGNYPVQQA
GGNYVHVPLSPRTLNAWVKLVEEKKFGAEVVPGFQALSEGCTPYDINQMLNVCVDHQAMQIIREINEE
AADWDSQHPPIPGPLPAGQLRDRPGSDIAGTTSTVDEQIQWYRPNPVPVGNIIYRRWIQIGLQKCVRYN
PTNILDIKQGPKEPFQSYVDRFYKSLRAEQTDPVKNWMTQTLIIQNANPDCKLVKGLGMNPTLEMLT
ACQGVGGPGQKARLMAEALKEAMGPSPIPFAAAQRKAIRYWNCGKEGHSARQCRAPRRQGCWKCGKPGH
IMANCPERQAGFLGLGPRGKKPRNFPVTQAPQGLIPTAPPADPAEALLERYMQGRKQREQRERPYKEVT
EDLLHLEQRETPHRETEDELLHLNSLFGKDQ

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

