

Product datasheet for **VC102152**

p15-gag protein [2] (NC_001488) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	p15-gag protein [2] (NC_001488) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	p15-gag protein [2]
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 VC102152 represents NCBI reference of NP_041002 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGGTCAGATTCATGGCCTCTACCAACCCCATCCCAAAGGCTCCAGGGGGTGTCAACACACCATT
 GGCTGAATTTCTGCAAGCCGCTTACAGGCTCCAGCCGCGCCGAGCGACTTTGACTTTACGAGTTGCG
 GCGGTTCTGAACTGGCACTGAAACACCGATCTGGTTGAATCCATCGATTATTCCTCTGGCCTCC
 CTGATCCCAAGGGGTATCTGGCCGGTGGTGGAGATTATAATATCTGGTAAAAACCAAGTTTCCC
 CATCCGCACCGCCGACCCGTACCTACCCCAATCTGTCCAACCTACCCTCTCCCCCCTCTCCCC
 ATCACCTGAGGCCATGTGCCCCCTCCCTATGTCGAGCCACAACAACCCAGTGTTCCTCAATTCTCAT
 CCCCCTGGAGCTCTAGTGGCCATCGGCCCTGGCAATGAAAGATCTGCAAGCCATAAAGCAGGAGGTCA
 GTTCTTCGCTCTCGGCTCACCTCAGTTTATGCAGACCCTGAGGTTGGCAGTGCAGCAGTTTGATCTAC
 CGGAAGGATCTTCAGGATCTGCTGCAATACCTGTGCTCTCTCTCGTTGATCCCTGCACACAGCAA
 CTGAATACATTGATCACCGAAGCCGAAACCCGCGGGATGACAGGGTACAACCCAATGGCTGGCCCCCTCC
 GCATGCAAGCTAATAATCCTGCGCAACAGGGCCTGAGACGCGAATATCAGAACCTGTGGCTGGCAGCCTT
 CTCTACCTCCCCGGCAACACGCGATCCCTCTTGGGAGCCATTCTTCAAGGACTGGAGGAGCCTTAC
 TGTGCAATTTGTAGAGCGGTTGAATGTTGCACTCGACAATGGCTTGCCCGAGGGTACCCCTAAGGAACCCA
 TCCTGCGCTCACTGGCCTATAGTAATGCTAACAAGAATGTCAGAAAATCCTGCAGGCAAGAGGCCACAC
 TAACAGTCCACTTGGTGAGATGCTGCGGACTTGTGAGCGTGGACGCCAAGGACAAGACCAAGGTGCTC
 GTGGTGCAGCCCCGCGCCACCCCTACCCAGCCTTGTTCGATGCGGAAAGGTGGGGCACTGGTCTC
 GAGATTGTACTCAGCCTAGACCACCACTGGACCCTGTCCACTCTGCCAGGACCCATCCCACTGGAAGAG
 GGATTGCTCTCACTGAAGCCCCACAGGAGGAGGGGAGCCACTGCTCCTTGACCTGCCATCCACATCA
 GGCACCACAGAAGAAAAGAAATAGCTTGCGGGAGAGATA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC102152 representing NP_041002
 Red=Cloning sites Green=Tags

MGQIHGLSPTPIPKAPRGLSTHHWLNFLQAAAYRLQPRPSDFDFQQLRRFLKLALKTPIWLNPIDYSLLAS
 LIPKGYGRVVEIINILVKNQVSPSAPAAPVPTPICPTTTPPPPPPSPEAHVPPPYVEPTTQCFILH
 PPGAPSAHRPWQMKDLQAIKQEVSSALGSPQFMQTLRLAVQQFDPTAKDLQDLLQYLCSSLVSLHHQQ
 LNTLITEAETRGMTGYNPMAGPLRMQANNPAQQGLRREYQNLWLAFFSTLPGNTRDPSWAAILQGLEEY
 CAFVERLNVALDNGLPEGTPKEPILRSLAYSANKECQKILQARGHTNSPLGEMLRCTQAWTPKDKTKVL
 VVQPRRPPTQPCFRGKVGHSRDCQPRPPGPCPLCQDP SHWKRDPCQLKPPQEEGEPLLLDLPSTS
 GTTEEKNSLRGEI

TRTRRLE**QKLISEEDLAANDILDYKDDDDKV**

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NC 001488

ORF Size: 1299 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 001488.1, NP_041002

RefSeq ORF: 1299 bp

Locus ID: 1491944

MW: 48.0 kDa