

Product datasheet for VC102317

putative DNA repair protein (NC_003494) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	putative DNA repair protein (NC_003494) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	putative DNA repair protein
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC102317 represents NCBI reference of NP_612249 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGGGTGTGAAAAACCTGAACCTCTTTCTGCGCTCAGTGGGAGTGACCGAACAATGGCTGCCCTACTCCA
 ACTTTGCTGGGAAGAGGGTCGCCATTGACGCAGCTTACCTGATGCACCGATTTAAGGCCGCAAATGGAAA
 CTTGTGGGACATGTTGCTCAACAATTTGTTGTGGCTGCGTTATCAACAATAAGATTGACATGACCTTC
 GTCTTCGACGGTACAGCACCAATTGAGAAGACTGATGAGCTCGCAGCGAGAGCCACACGCCGCGGCCG
 CCTTGCTCCGCCAGCAGAACATTGCCGCGCAGTGACTAACGGCGATGAAAGCGTGATTGACAAATGTAA
 AACTAGCGTCGCACGAAGATACAATGTACGCGCTGACATGGTTACCGCCCGGATGGTCAATGACTACGTT
 GAGCACAGGGTTAGAACACACCAGGCTGTAAACGCCGAGGATTACGAAAGGATGCGAGCGATTCTTACCG
 GCTTTGGCGTCCCGTACACATTCGCCAGAACTGAGGGCGAGATGCACTGTGTACAAATGGTGGCCAAACGG
 TCAAGCGGACCTGGTGATGACCATGACACCGATGCGATCCTGGTTTCCGCACTGCACTCAGTCCCTAT
 GTTCTTACCAACTCAAAGCCGGCTGCTCCGACAAGTTAGTGTCCACGAGGTTCTCGATAAATGTCATA
 TGACACCTGCGCAATTCCTGGATTTTGCATCCTCCTCGGACCGACTTCAACAAGCATATCAGAGGGAT
 AGGCCACGTGAAAGCTCGAAATCTCATCAAACACACGGCTCCATTGATAATATGCATACCGTGGTGGAC
 ACATCCCAGCTTGAGATTACAAGAGAGTGAGGGAGATTTTATGAGTTATGGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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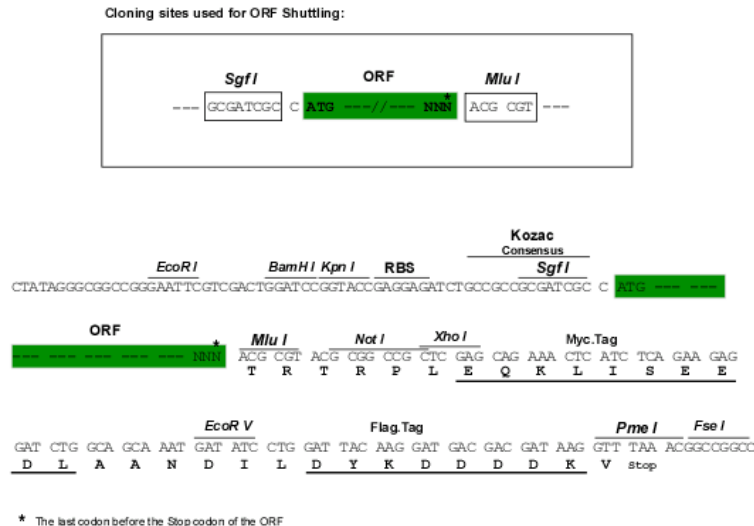
Protein Sequence: >VC102317 representing NP_612249
 Red=Cloning sites Green=Tags

MGVKNLNLFLRSVGVTQWL PYSNFAGKRVAIDAAAYLMHRFKAANGNLWMLLNFFVACVINNKIDMTF
 VFDGTAPIEKTDELAARATRRAAALLRQQNIAAAVTNGDESVIDKCKTSVARRYNVADMTARMVNDYV
 EHRVTRHQAVTPEDYERMRAILTGFGVPYTFARTEGEMHCVMVANGQADLVMTIDTDAILVSALHSVPY
 VLTNFKAGCFRQVSVHEVLDKCHMTPAQFLDFCILLGTDFNKHIRGIGHVKARNLIKTHGSIDNMHTVVD
 TSQLGDKYKRVREIFMSYG

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_003494

ORF Size: 894 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_612249
RefSeq ORF: 894 bp
Locus ID: 935303
MW: 33.5 kDa