

## Product datasheet for **VC102377**

### putative ribonuclease (NC\_003494) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	putative ribonuclease (NC_003494) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	putative ribonuclease
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC102377 represents NCBI reference of NP_612309 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTTAAGGCTTTCATCGTCGACTTTATCCTGGTGGCTGTTGCGAGATGGACAGGGCTTTTGCGCAGG  
CTATGTACGATAAGAACACCCAGGTATTTACAGCGTTTTTACCCACTCCAAAGCGCATCCCGTGAATAA  
TTATGAGTGGTACGAGAAGTTGGCGGATGCAATTATCGCCTCTGTGATGCCCCAGTACTACATGGAGCGA  
TTCCCAAGCTCGCACACGACCCTAGCGCAACGGTAGCCAGGACAGTCTCACAACTCGCAATTACTTACC  
AAAGTGGCACCACAATGTCCAATATTGCCAGAGGATGGGTTTCCTGAAGTGGTTGTTGCCCATCGAGA  
TGGCGTTGCCCGCATCTTATAAGGAGCAGCAGCGGCTCCTGGAGGACACCTTCGAGGCAATGGTGGGT  
GCCATTAGCATTACAATGGACAATGCTACAGGAGTGAAGTGTAGCGGCCATATTGCGTGCTACAGATTCT  
TGAAGTATGCATACGGATTGATCAATATGAGACTGGACGGACTGATCGATAACAAATCAATGCTCAAGGA  
ACTGATCGATATGCATTCATCTGTACTGGACAGTTTCACTTTGAAATACACGAATAACGTCATGACACTC  
ACGGTAGCCACGGCAAGTATACAGTGAGCGAAGCCAACGTGAACAACCTGAGTAAGAGAGAACTCGAAA  
AAGTACTCGCCGCAAGGTGCTGGCTCAATTGGCTCCGATGGATATGTGCACAAGTCTATGAGACTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC102377 representing NP\_612309  
 Red=Cloning sites Green=Tags

MFKAFIVDFILVRCEMDRAFAQAMYDKNTQVFHVSFVTHSKAHPVNNYEWYKLGDAIIASVMPQYYMER  
 FPKLAHDP SATVARTVSQLAITYQSGTTMSNIAQRMGFLKVVVAHRDGVAPASYKEQQRLLLEDTFEAMVG  
 AISITMDNATGVKCSGHIACYRFLKYAYGLINMRLDGLIDNKSMKELIDMHSSVLD SFTFEYTNVMTL  
 TVAHGKYTVSEANVNNLSKRELEKVLAKVLAQLASDGYVHKSMRL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_003494

**ORF Size:** 768 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\_612309  
RefSeq ORF: 768 bp  
Locus ID: 935341  
MW: 28.9 kDa