

## Product datasheet for **VC102353**

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

#### Product data:

Product Type:	Expression Plasmids
Product Name:	putative NTPase (NC_003494) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	putative NTPase
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 VC102353 represents NCBI reference of NP\_612285 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGATGTGCTGCTCAGCTTGTATCCATCACTCTCTGATCGACATTTTCAGTGTGCATGGCGACATCAGGC  
TGACTGGCGCCCTCGATCCCGCAGACGATTTTCGTCAGCAGCAGTACCTGGCTCGCTTCTTGAGCCAGAG  
GACCCCTATAATGAGCTCCTGCTTTTCCACGAGATGGGCACCGAAAGACCTGCACCGCAGTGGCCATA  
GCACAATGCGCTGCCAAATACCTCAAAGGTGTGCTGGTATCACCCGGGAGAGGGCTTATGCGGAATT  
TCCAGTCAGAGATAATGCACAAATGCCACTCTGTTTGGAGACGGGAGAGGAGTCAATCGAACAAATCTT  
TCGGTTTGGAGACTACGATCGCTTCGCAGCCTGGTGTGGCGCGTGTCCCGAGGGGTGCTGGCTACAAAA  
TATAGGAATCACCTCGTATCGTCGACGAAGTACATAATCTGCGCGAGGATAATGCTTCATACAGGGCAC  
TGCTCGAATTCATGCATACAGTGCAGGGTGCACAAAAAGTCTTCTCAGGCACGCCTATGTCAGATCG  
GGCCGACGAGATTATAGACGTAATGAATTTGATTCTGCCCCCGATGCTACTATGGATAAGGCCATTAC  
TTCAGTCCCGCGGGGTGTTTGTGACGGGCGAGAGTCCGAATTTATGGCCGAGTCCGGGGGAGGGTAT  
CTTTTGTACTGGCCAAAGACTCAGGCGTGCAGTCTGCTACGCCGGCGCCGCTGTGGATGGACTGCCTTT  
TAACGTGGTGCAGTTGGCTATGAGAAAGTATCAGCGCGGGCCTACCGCAGGGCTGTGCGGAAAGACGCG  
GAGGCTAACACTATCTTCAAGTACGAGGAAGGCTTCTTTGGCGGAATGCCAGCCGAAGGCCAGCTCG  
TCGAGTATAGTGTGAAATATGATTACGTCCTCAGGAGCTTGGAGCGCGCTAGGAAGGCTTTTGTACTG  
CGATGTGGTACGAGGCACTGGAGTGCAGTGTGGCGGACATCCTCAGCGGAACGGGTGGCACATGGTT  
ACGACGACGAAATCAACGGCGTACGGAGAGCGAAGCGATTTATCGTCCTTACTGGGGCAGAGTCTGCCA  
GAGCGCACAAAGATGTTGGAGCGGTTCAATCACGAAAGAAATGTGGACGGTCTGACATTTCTCTGGTCAT  
TGGATCCAGGGCAGTGGCTGAGGGCTTACCATGCGGGATGTGACTGATGTTTTGGTCTTGACCCACAC  
TGGAACTTTACCGAAACATTTCAAGCAATCTACCGCGCAGTGGGGCACGGAGCCACGAGTACACCCGCA  
CACTTCTTGACAACCTGATCCTCAGGTGACAGTGCACATGGTCGTGGCACTTTGCTCAGAGGAGTCCCT  
TGACCTGAATATGCTCAGGACCGCCATGGCTAAAGACGTCAGATTTAAAGGGTGAATATATGCTTAAA  
GTGGCCGCTGTCGATTGTGGATTTATGAAAGCCAGAAACATGAGACACTGGCGACGGTCCCGGGAGT  
GCCAGTACACGGTTTGTGAGTACCGCTGTAAGGGGCAGCGAACCGCCGAGCGGAGGAGGAGGCATTTAT  
CCCAGTGGTCCCAGTGAGAGAGCCAGACTCAACGCCGTCAGGGTTCATCATTGATCGGATGGGGGGC  
GAGGACGTACCACAACCTGGTACATGTGGGCACACCGCGTCCCTGTCCGGAATTTTCTGGGCATATCG  
CATATATGGTACCATCAATGATTAACGGCAACACCAAGTATGTTGGTACTACCGACCCCTATGCCACCGG  
TCTGACCGTTGAAGACGAATACTATGCTAACAACTTTGTGTGTAGCAACGAGCAGCTTTTACACTGGCA  
CAGCTGTGCGAGAGAAGGGACGCCAGAGCCGACCAAGAATTGTGGCGAGGATTCTGGACGGGACTGACG  
GTCCTGAATGCATGCTGCGACTGCCGAGAGCGTCCCAACTCAAGGTCCTGAAGGCCCTGGTGCAGATGTA  
CGCCGAGCACGAAGCTCTCGACGAGCACCAGAGTGGAGTCTCGACATGTACCGCGGATTTTGGGACCC  
GAAAGTTACAGCTCTGGCTGTACGAAGCTGATTTGGTACTCAAAGATCCGACGCAACTGGGATGCTGC  
AATGGGGCACAGACCTGCAAAGAGAGGAACAGGCGCAAGCAGGAGTTGATGGCTTCTCCAGTTGGATA  
CTACGGTATGTACAACCTGCCCGGGGGATTTCTGCATTCCGGGACGTGAGAGGGGCGGCCGACGGAGGG  
GATATGCGGCGACTGAAAGTCCGTCAGAGGTGCGTTGATATGGACAAGTGGACACTCCTGCACCTCCTGG  
TGACTAGGCTGAAACCTCGGACGTTCCAGATTCACACCGGAGCACCCGCGCTTGTGGCGATGTGCAT  
GGACATCGCACGGGCACAACCGGCACATAACGTGATTCGGAACCTTTGTGCCGGCCGATAGACGAGAAGCT  
GTCTTGTGTTGACTACTATGTGGACATGTCTCGAGAGCAACTCTGCAAAGTCATCAAAGGTGGATGAGGC  
GACACGGACTGCTCGAGCACAACCTTGTGAGTGGGGCACGCTTTCAAACACAGGGCA

**ACCGGT**ACGGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC102353 representing NP\_612285  
 Red=Cloning sites Green=Tags

MDVLLSLYPSLSDRHFSVHGDIRLTGGLDPADDFVQQYLARFLSPETPYNELLLFHEMGTGKTCTAVAI  
 AQCAAKYLKGVLVITRGEGLMRNFQSEIMHKCHSVWRRRERSIEQFFRFETYDRFAAWCGRVSRGVLATK  
 YRNHLVIVDEVHNLREDNASYRALLEFMHTVQGAKKVLISGTPMSDRADEIIDVMNILPPDATMDKAHY  
 FTAGGVFVDGRESEFMAAVRGRVSVFLAKDSGVRVYVYAGAADVGLPFNVVQLAMRKYQRRAYRRVREDA  
 EANTIFTSTRKASLAAMPAEQQLVEYSVKYDYVLRSLERARKAFVYCDVVRGTGVTMLADILQRNGWHMV  
 TSSKFNGVRRAKRFIVLTGAESARAHKMLERFNHERNVDSISLVIGSRAVAEGFTMRDVTDLVLTTPH  
 WNFETETFQAIYRAVRARSHEYTRTLLGQPDQPVTVMVVALCSEESLDLNLRTAMAKDVQIKRVEYMLK  
 VAAVDCGFMKARNMRHTGDGSRECYTVEYRCKGQRTAERRRRHFIPVVPSEARLNAVQSSLSIGWGG  
 EDVPQLWYMWahrVPVRNFSGHIAYMVPsmINGNTSMLVTTDPYATGLTVEDEYYANNFVCSNEHAFTLA  
 QLCERRDARAAPRIVARILDGTDGPECMLRLPRASQLKVLKALVQMYAEHEALDEHQSGVLDMYRGFWDP  
 ESYQLWL YEADLVLRSDATGMLQWGTDPAKRGTTRKQELMASPVGGYGMYPARGDFCIRDVrgaadGG  
 DMRRLKVGQRCDMDKWTLHLVTRLKPRDVPDSHRSTRRLMAMCMDIARAQRAHNVIRNFVPADRRRA  
 VLFVHYVDMSREQLCKVIKRWRRRHGLLEHNFECGHAFKHRA

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



<b>ACCN:</b>	NC_003494
<b>ORF Size:</b>	2646 bp
<b>OTI Disclaimer:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NC_003494.1</a></u> , <u><a href="#">NP_612285</a></u>
<b>RefSeq ORF:</b>	2646 bp
<b>Locus ID:</b>	935386
<b>MW:</b>	100.7 kDa