

Product datasheet for **VC100757**

protein 2C (NTPase) (NC_002058) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	protein 2C (NTPase) (NC_002058) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	protein 2C (NTPase)
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100757 represents NCBI reference of NP_740473 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGGGGACTCTTGGCTCAAAAAGTTTACTGAAGCATGCAACGCCGCCAAAGGCCTGGAGTGGGTCAAGT
ACAAGATCAGTAAGTTTCATAGATTGGCTTAAGGAAAAATCATCCCCAAGCGAGAGATAAGCTGGAATT
CGTGACGAACTCAGGCAGCTTGAAATGCTTGAAAACAGATCAGCACTATCCACCAGTCTTGCCCTTCA
CAGGAACATCAAGAGATACTTTTAATAACGTAAGATGGCTTAGCATCCAGAGTAAGAGATTTGCACCCC
TGTACGCAGTGGAAAGCTAAGCGCATTGAGAAGCTGGAGCATACTATCAACAATTATATCCAGTTTAAGAG
CAAGCACCGCATCGAGCCGCTGCTCCTCTGGTTCATGGCTCTCCGGAACAGGCAATCTGTGCGCACG
AATCTCATCGGAGAGCCATTGCCGAACGAGAAAACTTCCACATACAGCCTGCCTCTGACCCAGCC
ACTTTGATGGATACAAACAGCAGGGAGTGGTTATCATGGATGATCTGAACCAGAAATCCTGACGGCGCTGA
CATGAACTGTTCTGCCAGATGGTCAGCACGGTCGAATTCATTCCACCTATGGCCTCTCTGGAAGAGAAA
GGCATTCTGTTTACCTCCAATATGTGCTTGTAGTACCAATTCAGCCGGATATCTCTCCACCGTGG
CCCATTGACGCACTCGCTAGGAGATTCGCTTTCGACATGGACATTCAAGTTATGAACGAATATTCTCG
GGACGGGAAGCTGAATATGGCCATGGCTACCGAGATGTGCAAGAACTGTACCCAGCCGCCAACTTTAAG
AGGTGTTGCCCCCTCGTGTGCGGCAAGCAATCAACTCATGGACAAGAGCAGCCGCTACGCTACAGTA
TAGATCAGATCACCACCATGATTATTAACGAAAGAAACAGACGGTCCAATATAGGTAATTGTATGGAGGC
TCTGTTTCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC100757 representing NP_740473

Red=Cloning sites Green=Tags

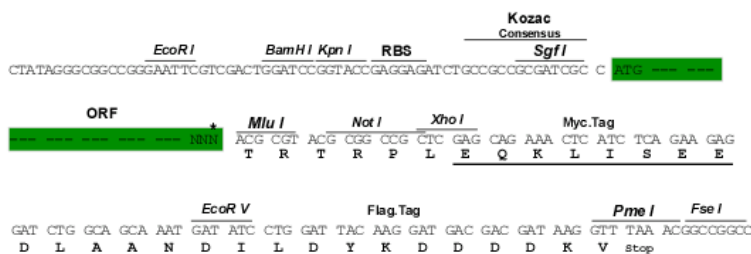
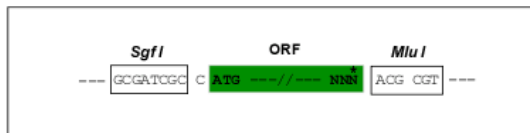
MGDSWLKKFTEACNAAGLEWVSNKISKFIDWLKEKIIPQARDKLEFVTKLRQLEMLNENQISTIHQSCPS
QEHQEILFNNVRWLSIQSKRFAPLYAVEAKRIQKLEHTINNYIQFSKSHRIEPVCLLVHSGPGTGKSVAT
NLIAIRAIAERENTSYSLPPDPSHFDGYKQQGGVIMDDLNQNPADGAMKLFQCMVSTVEFIPPMASLEEK
GILFTSNYVLASTNSSRISPTVAHSDLARRAFVDMDIQVMNEYSRDGLNMAMATEMCKNCHQPANFK
RCCLPVCCKAIOLMKSRSRVYISDOIITMIINERNRRSNIGNCMALFO

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC 002058

ORF Size: 990 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_002058.3, NP_740473

RefSeq ORF: 990 bp

MW: 37.6 kDa