

## Product datasheet for **VC102322**

### putative thymidine kinase (NC\_003494) Virus Tagged ORF Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids  |
| Product Name:             | putative thymidine kinase (NC_003494) Virus Tagged ORF Clone   |
| Tag:                      | Myc-DDK  |
| Symbol:                   | putative thymidine kinase  |
| Mammalian Cell Selection: | Neomycin   |
| Vector:                   | pCMV6-Entry (PS100001)   |
| E. coli Selection:        | Kanamycin (25 ug/mL)   |
| ORF Nucleotide Sequence:  | >The Viral ORF clone VC102322 represents NCBI reference of NP_612254 with codon optimized for human cell expression<br>Red=Cloning site Blue=ORF Green=Tags(s) |

GACGTTGATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTGGCGGACGCAGAAGAATATCCCTCAAGTGTGTGCCTACGACAAGATGGCACCAGTCTATACTGTCT  
TTGGCCACGTGGGCGTGGGCAAATCAAGCCTCTGCGGTCCCTTGCAAATACCGGCATTAACGTCGTTCT  
CGAACCTACTGACACCTGGGAACCCTTTTCAGCTCTACTACAAGGATCCCGTACGCTGGGCGGCCGCC  
TTCAAATGACCGTGATTGCTCTTATTCTCATATCTACTCAGCAATAAAGATAACCCACTGCCAACGG  
TGGTGGAGCGCAGCCCCAGTGTGTCGAGCCTTCGTGGCTGGCTTTACGCCACCGGTGAGCTGGATAC  
CGTCAGCCATGACACCATTAATACATATATCGCTGCTGTCCCGTGGTTTTCCAACGTGACCCAAGTTTAC  
CTTCGGTGTCCCAACCGTGGCCGCCGCGAGCTTTGGCCCGGCAAATGAACTGAATCCCTGCGCCC  
CAGACTATATGGCTTTTCTCATACGAGTGGGAAGCTAGAGTGACCCAGATACAATCATCATCGATG  
AGAGCAGGACATGGATACTGTGAGAAGGCAGTTCATTGAGCTCCTCCACATC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

|                   |  |
|-------------------|--|
| Protein Sequence: | >VC102322 representing NP_612254<br>Red=Cloning sites Green=Tags |
|-------------------|--|

MWRTQKNIPQVCAVDKMAPVYTVFHVGVGKSSLLRSLANTGINVLEPTDTWEPFFQLYYKDPVRWAAA  
FQMTVIRSYSHIYSANKDNPLPTVVERSPOCCRAFWAWLYATGQLDVTSHDTINTYIAAVPWFVSNVTQVY  
LRCSPTVAARALARPNEINPCAPDYMAFLHTQWEARVTPDTIIIDAEQMDTVRRQFIPELLHI

**TR**TRRLEQKLISEEDLAANDILDYKDDDDKV



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC\_003494

ORF Size: 612 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\\_612254](#)

RefSeq ORF: 612 bp

Locus ID: 935382

MW: 23.2 kDa