

## Product datasheet for **VC100045**

### protease (AC\_000007) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	protease (AC_000007) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	protease
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100045 represents NCBI reference of AP_000176 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGGTCAAGCGAGCAGGAACCTAAGGCAATTGTGAAGGACCTGGCTGTGGTCCCTACTTCTGGGTA  
CTTATGACAAAAGGTTCCCGGGTTTGTCTCTCCACAAAACCTGGCTTGCCATCGTTAACACCCGCTGG  
CAGGGAGACAGGAGGAGTCCATTGGATGGCTTTCGCCTGGAACCCACGAAGCAAGACCTGCTACCTCTTC  
GAGCCTTTTGGCTTTTCCGACCAGCGGCTGAAGCAGGTCTACCAGTTTGAGTATGAGAGCCTGTGCGGC  
GCTCCGCTATTGCATCTTCTCCAGACCGCTGCATTACCCTGGAAAAAAGCACCCAATCAGTCCAAGGCC  
AAATTCGCAGCGTGTGGCTTTTTTGTGCTGCATGTTTCTGCACGCTTTCGCCAATTGGCCACAGACCCCT  
ATGGATACAACCCTACGATGAACCTGATCACGGGAGTCCCAATAGCATGCTCAATTCCCACAGGTGC  
AGCCGACTCTGCGCCGAAACCAGGAGCAGCTTTACAGTTTTCTGGAGCGCCATCCCCATACTTCCGGTC  
TCACTCAGCTCAGATTAGAAGCGCCACCTCCTTTTGTACCTGAAGAATATG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>VC100045 representing AP_000176 Red=Cloning sites Green=Tags
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MGSSEQELKAIWKDLGCGPYFLGTYDKRFPFVSPHKLACAIVNTAGRETGGVHWMFAWNPRSKTCYLF  
EPFGFSDQRLKQVYQFEYESLLRRSAIASPDRCTITLEKSTQSVQGPNSAACGLFCCMFLHAFANWPQTP  
MDHNPTMNLITGVPNSMLNSPQVQPTLRRNQEQLYSFLERHSPYFRSHSAQIRSATSFCHLKNM

**TR**TRRLEQKLISEEDLAANDILDYKDDDDKV



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: AC\_000007

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: [AC\\_000007.1](#), [AP\\_000176](#)

RefSeq ORF: 612 bp

UniProt ID: [P03254](#)

MW: 23.1 kDa