

Product datasheet for **VC100772**

proteinase 2A (NC_001430) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	proteinase 2A (NC_001430) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	proteinase 2A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100772 represents NCBI reference of NP_740416 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGAGGTGCGTTTGTTCGGCTCTTACAAAATCATTAACTATCACTTGGCCACAGACGAGGAAAAAGAAA
GGAGTGTCTATGTGGACTGGCAAAGCGACGTGCTGGTGACCACCGTGGCAGCGCACGAAAGCATCAGAT
AGCCCCGTGTAGATGCAATACAGGGGTATATTATTGCAAGCATAAGAATCGATCCTACCCGTATGCTTC
GAGGGCCCTGGGATCCAGTGGATTAACGAAAGCGACTATTACCCCTGCTCGATACCAGACCAATACCTTGC
TGGCAATGGGACCATGTCAACCCGGAGATTGTGGAGGCCCTCTGGTATGCTCTCACGGCGTGATAGGTCT
GGTCACAGCCGGGGGGAGGGGATCGTTGCATTTACCGACATCCGGAATCTGCTGTGGCTGGAAGACGAT
GCTATGGAGCAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>VC100772 representing NP_740416 Red=Cloning sites Green=Tags
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MGGAFVGSYKIINYHLATDEEKERSVYVDWQSDVLTVTVAAHGKHQIARCRNCTGVYYCKHKNRSYPVCF
EGPGIQWINESDYYPARYQTNTLLAMGPCQPGDCGGLLVCSHGVI GLVTAGGEGIVAFTDIRNLLWLEDD
AMEQ

TRTRRLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:	Sgfl-MluI
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Cloning Scheme:



ACCN: NC_001430

ORF Size: 432 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_001430.1](#), [NP_740416](#)

RefSeq ORF: 432 bp

MW: 15.9 kDa