

Rattus norvegicus Ace2 cDNA Clone



Sino Biological Inc.
Biological Solution Specialist

Catalog Number: RG80031-M

General Information

Gene Bank Ref. ID : NM_001012006.1

cDNA Size: 2418

Gene Name Synonym :

Ace2

Source: Rat

Description

cDNA Description :

ORF Clone of Rattus norvegicus angiotensin I converting enzyme (peptidyl-di-peptidase A) 2 DNA.

Vector :

Commercial pMD vector. (Produced by TAKARA. More information:

<http://www.takara.com.cn/explain/L/pMD18-T Simple.pdf>)

Sequence Description :

Identical with the Gene Bank Ref. ID sequence except for two point mutations: 268 A/G resulting in the amino acid Asn substitution by Asp and 596 T/C resulting in the amino acid Met substitution by Thr.

Shipping

1. 5 - 10µg Plasmid DNA is shipped on Whatman FTA elute card (Catalog Number: WB120410) at room temperature.
2. It would take 3 - 5 days for delivery typically. For bulk orders, additional 1 - 2 weeks would be needed.

Usage Protocol

1. Remove the marked edge in the center of the spot.
2. Transfer the filter paper to a 1.5ml microfuge tube containing 50-100 µl of sterile H₂O. Ensure the filter is completely immersed in the H₂O by briefly centrifuging the tube for 10 seconds.
3. Transfer the tube to a heating block at 95°C for 15 - 30 min.
4. At the end of the incubation period remove the sample from the block and pulse vortex, or gently tap, the sample approximately 60 times.
5. Briefly centrifuge for 30 seconds, to separate the matrix from the elute. The elute now contains the purified DNA.

cDNA Sequence and Quality Control

Sequence :

```
ATGTCAAGCTCCTGCTGGCTCCTTCTCAGCCTTGTTGCTGTTGCTACTGCTCAG
TCCCTCATCGAGGAAAAGGCCGAGAGCTTTTTAAACAAGTTTAAACCAGGAAGCT
GAAGACCTGTCTTATCAAAGTTCACTTGCTTCTTGAATTACAACCAACATTAA
CGGAGGAGAATGCCAAAAGATGAACGAGGCTGCGGCCAAATGGTCTGCCTTT
TATGAAGAACAGTCCAAGATCGCCAAAATTTCTCACTACAAGAAATTCAGGATG
CGACCATCAAGCGTCAACTGAAGGCCCTTCAGCAGAGCGGGTCTTCAGCGCTG
TCACCAGACAAGAACAACAGTTGAACACAATTCTAAACACCATGAGCACCATT
ACAGTACTGGAAAAGTTTGCAACTCAATGAATCCACAAGAATGTTTTTACTTGA
ACCAGGATTGGACGAAATAATGGCAACAAGCACAGACTACAATCGTAGGCTCTG
GGCTTGGGAGGGCTGGAGGGCTGAGGTGCGCAAGCAGCTGAGGCCGTTATAT
GAAGAGTATGTGGTCTGAAAAATGAGATGGCAAGAGCAAAACATTATGAAGAC
TACGGGGATTATTGGCGAGGGGATTATGAAGCAGAGGGAGTAGAAGGTTACAA
CTACAACCGAAACAGTTGATCGAAGACGTAGAAAATACCTTCAAGAGATCAAA
CCGTTGTATGAGCAACTTCATGCCTATGTGAGAACGAAGTTGATGGAGGTGATC
CCTTCTTACATCAGCCCTACTGGATGCCTCCCTGCTCATTGGCTTGGTGATATG
GGGGTAGGTTTTGGACAAATCTGTACCCTTTGACTACTCCCTTTCTTCAGAAACC
AAACATAGATGTTACTGATGCAATGGTGAATCAGAGCTGGGATGCAGAAAGAA
ATTTAAAGAGGCAGAGAAGTTCTTCGTTTCTGTTGGCCTTCTCAAATGACTCCG
GGATTCTGGACAAACTCCATGCTGACTGAGCCAGGAGATGACCGGAAAGTTGT
CTGCCACCCACAGCTTGGGATCTGGGACATGGAGACTTCAGAATCAAGATGT
GCACAAAGGTCAATGGACAACCTTCTGACAGCCCATCATGAGATGGGACACA
TCCAATATGACATGGCATATGCCAAGCAACCTTCTGCTAAGAAACGGAGCCA
ATGAAGGGTCCATGAAGCCGTTGGAGAAATCATGTCACCTTCTGCAGCTACCC
CAAACATTTGAAATCTATTGGTCTTCTGCCATCCAATTTTCAAGAAGACAATGAA
ACAGAAATAAACTTCTACTCAACAGGCATTGACAATTGTTGGAACGCTGCCAT
TTACTTACATGTTAGAGAAGTGGAGGTGGATGGTCTTTCAGGATAAAATTCCTCA
GAGAACAGTGGACCAAAAAGTGGTGGGAGATGAAGCGGGAGATCGTTGGTGT
GGTGGAGCCTCTGCCTCATGATGAAACATACTGTGACCCTGCATCTCTGTTCCA
TGCTCTAATGATTACTCATTTCATTCGATATTACACAAGGACCATTTATCAATTCC
AGTTTCAAGAAGCTCTTTGTCAAGCAGCTAAACATGATGGCCCACTACACAATG
TGACATCTCAAATTCCTGAGCTGGGCAGAAAGTTGCTCAATATGCTGAGTCTT
GGAAACTCAGGGCCCTGGACCCTAGCCTTGGAAAATGTGGTAGGATCAAGGAA
TATGGATGTAAACCACTGCTCAATTACTTCCAACCATGTTTGTCTGGCTGAAA
GAGCAGAACAGGAATTCGACTGTGGGGTGGAGCACTGACTGGAGCCCATATGC
CGACCAAGCATTAAAGTGAGGATAAGCCTAAAATCAGCTCTTGGGAAAAATGC
GTATGAATGGACCGACAACGAAATGTACCTATTCCGATCATCTGTTGCCTATGC
CATGAGAGAGTATTTTCAAGGGAAGAAAGAACAGACAGTTCTTTTGGGGAGGC
AGACGTATGGGTGAGTGATTTGAAACCAAGAGTCTCCTTCAACTCTTTGTCACT
TCACCCAAAATGTGTCTGACATCATTCCAGAAAGTGAAGTTGAAGAGGCCATC
AGGATGCTCTGGGGCCGTATCAATGATATTTTGGTCTGAATGATAACAGCCTG
GAGTTTCTGGGGATCTACCCAACTTAAGCCACCTTACGAGCCTCCTGTCAACC
ATATGGCTGATTATTTTGGTGTGCTGATGGGAACGGTAGTGGTTGGCATTGTT
ATCCTGATCGTCACTGGGATCAAAGGTGCAAGAAGAAAAATGAAACAAAAGA
GAAGAGAATCCTTATGACTCCATGGACATTGGCAAGGAGAAAGTAACGCAGGA
TTCCAAAACAGTGATGATGCTCAAACCTTCACTCTAA
```

Quality Control:

The sequencing result is available upon request.