

# Human ENPP2 cDNA Clone



**Sino Biological Inc.**  
Biological Solution Specialist

Catalog Number: HG11308-M

## General Information

Gene Bank Ref. ID : BC034961.2

cDNA Size: 2748

Gene Name Synonym :

ATX; NPP2; ATX-X; PDNP2; LysoPLD; FLJ26803; AUTOTAXIN; PD-IALPHA; ENPP2

Source: Human

## Description

### cDNA Description :

ORF Clone of Homo sapiens ectonucleotide pyrophosphatase /phosphodiesterase 2 DNA.

### Vector :

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

<http://www.takara.com.cn/explain/L/pMD18-T%20Simple.pdf>)

### Sequence Description :

Identical with the Gene Bank Ref. ID sequence except for two point mutations: 9 G/A, 1740 T/C, 2632 A/C not causing the amino acid variation, 1633 T/C resulting in the amino acid 545Ser substitution by Pro,2333C/T resulting in the amino acid 778Ser substitution by Leu and the nucleotide(973-1128) deletion mutation.

## 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 H<sub>2</sub>O. Ensure the filter is completely immersed in the H<sub>2</sub>O 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 :

```
ATGGCAAGAAGGAGCTCGTTCCAGTCGTGTCAGATAATATCCCTGTTCACTTTT
GCCGTTGGAGTCAATATCTGCTTAGGATTCACTGCACATCGAATTAGAGAGCA
GAAGGATGGGAGGAAGGTCCTCCTACAGTGCTATCAGACTCCCCCTGGACCAA
CATCTCCGGATCTTGCAAGGGCAGGTGCTTTGAACCTCAAGAGGGCTGGACCTC
CTGATTGTGCTGTGACAACCTTGTGTAAGAGCTATACCAAGTTGCTGCCATGACTT
TGATGAGCTGTGTTTGAAGACAGCCCGTGGCTGGGAGTGACTAAGGACAGAT
GTGGAGAAGTCAGAAATGAAGAAAATGCCTGTCAGTCTCAGAGGACTGCTTG
GCCAGGGGAGACTGCTGTACCAATTACCAAGTGGTTTGCAAGGAGAGTCGCA
TTGGGTTGATGATGACTGTGAGGAAATAAAGGCCGAGAAATGCCCTGCAGGGT
TTGTTGCGCCCTCCATTAAATCATCTTCCCGTGGATGGCTTCCGTGCATCATACAT
GAAGAAAGGCAGCAAAGTCATGCCTAATATTGAAAACTAAGGTCTTGTGGCAC
ACACTCTCCCTACATGAGGCCGGTGTACCCAACTAAAACCTTTCTAATTATAC
ACTTTGGCCACTGGGCTATATCCAGAATCACATGGAATTGTTGGCAATTCAATGT
ATGATCCTGTATTTGATGCCACTTTTCATCTCGCAGGGCCGAGAGAAATTAATCA
TAGATGGTGGGAGGTCAACCGCTATGGATTACAGCCACCAAGCAAGGGGTGA
AAGCTGGAACATTCTTTTGGTCTGTTGTATCCCTCACGAGCGGAGAATTAAC
CATATTGCAGTGGCTCACCCTGCCAGATCATGAGAGGCCTTCGGTCTATGCCTT
CTATTCTGAGCAACCTGATTTCTCTGGACACAAATATGGCCCTTTCGGCCCTGA
GATGACAAATCCTCTGAGGGAAATCGACAAATTTGTTGGGCAATTAAATGGATGG
ACTGAAACAACTAAACTGCATCGGTGTGTCAACGTATCTTTGTCGGAGACCA
TGGAATGGAAGATGTACATGTGATAGAAGTCTGAGTTCTTGAGTAATTACCTAAT
AATGTGGATGATATTACTTTAGTGCCTGGAACCTAGGAAGAATTCGATCCAAAT
TTAGCAACAATGCTAAATATGACCCCAAGGCCATTATTGCCAATCTCACGTGTAA
AAAACCAGATCAGCACTTTAAGCCTTACTTGAACACGACCTTCCCAACAGTTTG
CACTATGCCAACAACAGAAATTGAGGATATCCATTATTGTTGGTGAACGCAGA
TGGCATGTTGCAAGGAAACCTTTGGATGTTTATAAGAAACCATCAGGAAATGCT
TTTTCCAGGGAGACCACGGATTTGATAACAAGGTCAACAGCATGCAGACTGTTT
TTGTAGGTTATGGCCCAACATTTAAGTACAAGACTAAAGTGCCCTCAATTTGAAA
CATTGAACCTTTACAATGTTATGTGTGATCTCTGGGATTGAAGCCAGCTCCTAAT
AATGGGACCCACGGAAGTTGAATCATCTCCTGCGCACTAATACCTTCAGGCCA
ACCATGCCAGAGGAAGTTACCAGACCCAAATATCCAGGGATTATGTACCTTCAG
TCTGATTTTGACCTGGGCTGCATTTGTGATGATAAGGTAGAGCCAAAGAACAAG
TTGGATGAACCTCAACAAACGGCTTCATACAAAAGGGTCTACAGAAGAGAGACAC
CTCCTCTATGGGCGACCTGCAGTGCTTTATCGGACTAGATATGATATCTTATATC
ACACTGACCTTTGAAAGTGGTTATAGTGAAATATTCTAATGCCACTCTGGACATC
ATATACTGTTTCCAAACAGGCTGAGGTTTCCAGCGTTTCTGACCATCTGACCAG
TTGCGTCCGGCCTGATGTCCGTGTTTCTCCGAGTTTCAGTCAGAAGCTTTTGGC
CTACAAAAATGATAAGCAGATGTCTACGGATTCTCTTTCTCTCTTATCTGAGC
TCTTACCAGAGGCTAAATATGATGCATTCCTTGAACCAATATGGTTCCAATGT
ATCCTGCTTTCAACGGGTCTGGAATTATTTCCAAAGGGTATTGGTGAAGAAATA
TGCTTTGGAAGAAATGGAGTTAAGCTGATAAGTGGACCAATCTTCGACTATGA
CTATGATGGCTTACATGACACAGAAGACAAAATAAACAGTACGTGGAAGGCAG
TTCCATTCTGTTCCAACCTCACTACTACAGCATCATCACCAGCTGTCTGGATTTC
ACTCAGCCTGCCGACAAGTGTGACGGCCCTCTCTGTGTCTCCTCTCATCCTG
CCTACCGGCTGACAACGAGGAGAGCTGCAATAGCTCAGAGGACGAATCAAA
ATGGGTAGAAGAACTCATGAAGATGCACACAGCTCGGGTGCCTGACATTGAAC
ATCTCACCAGCCTGGACTTCTCCGAAAGACCAGCCGAGCTACCCAGAAATCC
TGACACTCAAGACATACCTGCATACATATGAGAGCGAGATTTAA
```

### Quality Control:

The sequencing result is available upon request.

Manufactured By Sino Biological Inc., FOR RESEARCH USE ONLY. NOT FOR USE IN HUMANS.

Fax :+86-10-51029968 • Tel:+86-10-51029968 • <http://www.sinobiological.com>