

Product datasheet for SC108359

CNPase (CNP) (NM_033133) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CNPase (CNP) (NM_033133) Human Untagged Clone
Tag:	Tag Free
Symbol:	CNPase
Synonyms:	CNP1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC108359 sequence for NM_033133 edited (data generated by NextGen Sequencing)

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ATGAACAGAGGCTTCTCCGAAAAAGCCACACATTCTGCCCAAGATCTTCTCCGCAAG
ATGTCATCCTCAGGGGCCAAGGACAAGCCTGAGCTGCAGTTTCCCTTCAGGATGAG
GACACAGTGGCCACGCTGCTAGAGTGCAAGACGCTCTTCATCTTGCGCGGCTGCCAGGA
AGCGGCAAGTCCACGCTGGCAGGGTTCATCGTGGACAAGTACCGTGATGGCACCAGATG
GTGTGGGCTGACGCTTACAAGATCACCCCGGCGCTCGAGGAGCCTTCTCCGAGGAGTAC
AAGCGGCTCGATGAGGACCTGGCTGCCTACTGCCGCCCGGGACATCAGAATCTTGTG
CTTGATGACACCAACCACGAACGGGAACGGCTGGAGCAGCTCTTTGAAATGGCCGACCAG
TACCAGTACCAGGTGGTGTGGTGGAGCCCAAGACGGCGTGGCGGCTGGACTGTGCCAG
CTCAAGGAGAAGAACCAGTGGCAGCTGTGGCTGATGACCTGAAGAAGCTGAAGCCTGGG
CTGGAGAAGGACTTCTGCCGCTCTACTTCGGCTGGTTCCCTGACCAAGAAGAGCTCTGAG
ACCTCCGCAAAGCCGGCCAGGTCTTCTGGAAGAGCTGGGGAACCACAAGGCCTTCAAG
AAGGAGCTGCGACAATTCGTCCTGGGGATGAGCCAGGGAGAAGATGGACTTGGTCACC
TACTTTGGAAAGAGACCCCAAGCGTGTGCAATTGCACAACCAAGTTTTGTGACTACGGG
AAGGCTCCCGGGCAGAGGAGTACGCTCAACAAGATGTGTTAAAGAAATCTTACTCCAAG
GCCTTCACGCTGACCATCTTGCCTCTTTGTGACACCAAGACGACTGGGGCCCGGGT
GAGTTAAGCGAGCAGCAACTGCAGTTGTGGCCGAGTGTGTTGACAAGCTGTCAACCACT
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GCCGTGCAGACGGCCTTGACCTTTAGAGATTCTGCGGCAAGGAGAAGGGGGCAGCCGA
GGCGAGGAGGTGGCGAGCTAAGCCGGGCAAGCTCTATTCTTGGGCAATGGGCGCTGG
ATGCTGACCTGGCCAAGAATGGAGGTGAGGCGCATCTTACGGGGTACTACGGGAAA
GGCAAACCTGTGCCACGCAAGGTAGCCGGAAGGGGGCGCCTTGCAGTCTGCACCATC
ATATGA

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Clone variation with respect to NM_033133.4



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_033133 unedited</p> <pre>TTGTAATACGAACTCACTATAGGGCGGCCGGAATTCGCACGAGGCTCCCGTGTCCCTCC GCGCAGGCGGGCGGCCCGGAGCGCTGGTGCCGGCAGAGGCGGCGACGGTGGCGCCCTC CTCATCATGAACAGAGGCTTCTCCCGAAAAAGCCACACATTCTGCCAAGATCTTCTTC CGAAGATGTCATCCTCAGGGGCCAAGGACAAGCCTGAGCTGCAGTTTCCCTTCCCTCAG GATGAGGACACAGTGGCCACGCTGCTAGAGTGCAAGACGCTTTCATCTTGCGCGGCCTG CCAGGAAGCGGCAAGTCCACGCTGGCACGGGTATCGTGGACAAGTACCGTGATGGCACC AAGATGGTGTGCGCTGACGCTTACAAGATCACCCCGGCGCTCGAGGAGCCTTCTCCGAG GAGTACAAGCGGCTCGATGAGGACCTGGCTGCCTACTGCCGCGCGGGACATCAGAATT CTTGCTGTGATGACACCAACCAGAACGGGAACGGCTGGAGCAGCTCTTTGAAATGGCC GACCAGTACCAGTACCAGGTGGTGTGGTGGAGCCCAAGACGGCGTGGCGGCTGGACTGT GCCCAGCTCAAGGAGAAGAACCAGTGGCAGCTGTCGGCTGATGACCTGAAGAGCTGAAGC CTGGGCTGGAGAANGACTTCTGCCGCTCTACTCGGCTGGTTCTGACCAAGAAGAGCT CTGAGACCCTCGCANAGCCGGCCAGTCTTCTGAAAAAGCTGGNGACCACAAGGCCTCA GAANGAGCTGCGACATTCTCTGGGGATGAGCAGGGAGAAAAGGACTGGTCACCTACTT GGAAGAACNCCCAGCGTGTGATGCCAACCCAGTTTGTGAT</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_033133 unedited</p> <pre>CTCCCCCTCCCCCTCCCTCCCTATCCCCCTTCCGGCCTTTATTNTGCCACGCGGCCCTT TTTCTACATCGAGTTTTTTTTTTTTTTTTTTGGGATAACATGATTTATTTTATTATCAGT CTTACAGTTGCTGAGGTTGGGCAAAGCCAGGATAGTAACTTAAATCCAAAGCCACTTTT GCTGAGTGACAACCCGATTAGCAAGGGCCTGTTACTGAACAGAGGGCAGCGGAGGGCACC CCAGGAACCACAGCACACAGACTAGTGTAGAAAACCCCTTCCAGAAAGCAACCGGTGGGA CTTGGCCCTTACCAGCCAGGGGTTTACTCCATTGGCTTTTGGTGCCACCAGCCCTGTT ATAGGAGGCCAGAGGCTCCACAGGCACCATGGAGGCAAGATGGGCTGGGTAAAGAGCA TGACTGCAGCTTCTTACCAGGGTCTGCCTTTGGCCCGATCTCCTCATCCAACAGCGG AGCCAGGTCAATGGAAAGGACAGCCCCCAGCCTTCTCCTGGAGCGAGGTTCCCAAACAA CGCCGATGTGGCGGTTGCTTAACTGTTCTGCTTTCTTTTAAAGTTTCAAATTTGGTAACC TAATTATGGTCGTC AAGGGCACGCCCGGGGACTTTATGAACCAACGGTCGCGAGGCAAA CTCCCCCTTCTATCCTTGGCAAAAACCTCCCAACACTTTTGGGGGCTACACTCAATTA AAAACGTTGCCCCCTCAGCAGGACTCGCTGCACCCCACTAGTCTCACGGCTGCCTCGA TCCCCTGCTCGCCCAATTGTACTTCAACCTGGAGAAATAATCTTGACCCTGCTGTCTAA AACATACAAAAAACGCTACGGTTCAGGTCCTTAAAGCTCTTAGGTCCTCTTTTCTTAA AACCCCTTCCCTCTCCTTGACATTGGAAAATAATCCACCCCACTGCTTTTTTGCCT CG</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_033133
Insert Size:	2740 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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: [NM_033133.3](#), [NP_149124.2](#)

RefSeq Size: 5217 bp

RefSeq ORF: 1206 bp

Locus ID: 1267

UniProt ID: [P09543](#)

Cytogenetics: 17q21.2

Gene Summary: May participate in RNA metabolism in the myelinating cell, CNP is the third most abundant protein in central nervous system myelin.[UniProtKB/Swiss-Prot Function]