

Product datasheet for **SC125730**

CNPase (CNP) (BC028040) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CNPase (CNP) (BC028040) Human Untagged Clone
Tag:	Tag Free
Symbol:	CNP
Synonyms:	2',3'-cyclic nucleotide 3' phosphodiesterase; 2', 3' cyclic nucleotide 3' phosphohydrolase; CNP1
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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Fully Sequenced ORF:

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>OriGene sequence for BC028040 edited
GGCTCGGGTTGTGCCACCGCTGGACTCCCCTGTCCCTCCGCGCAGGCGGGCGGCCCGGA
GCGCTGGTGCCGGCAGAGGCGGCGACGGTGGCGCCCTCCTCATCATGAACAGAGGCTTC
TCCCGAAAAAGCCACACATTCTGCCAAGATCTTCCGCAAGATGTCATCCTCAGGG
GCCAAGGACAAGCCTGAGCTGCAGTTCCCTTCTTCCAGGATGAGGACACAGTGGCCACG
CTGCTAGAGTGAAGACGCTCTTTCATCTTGCAGGCGCTGCCAGGAAGCGGCAAGTCCACG
CTGGCACGGGTATCGTGGACAAGTACCGTGATGGCACCAGATGGTGTGCGGTGACGCT
TACAAGATCACCCCGGCGCTCGAGGAGCCTTCTCCGAGGAGTACAAGCGGCTCGATGAG
GACCTGGCTGCCTACTGCCGCGCCGGGACATCAGAATCTTGTGCTTGTGACACCAAC
CACGAACGGGAACGGCTGGAGCAGCTCTTTGAAATGGCCGACCAGTACCAGTACCAGGTG
GTGCTGGTGGAGCCCAAGACGGCGTGGCGGCTGGACTGTGCCAGCTCAAGGAGAAGAAC
CAGTGGCAGCTGTCGGCTGATGACCTGAAGAAGCTGAAGCCTGGGCTGGAGAAGGACTTC
CTGCCGCTCTACTTCGGTGGTTCTGACCAAGAAGAGCTCTGAGACCCTCCGCAAAGCC
GGCCAGGTCTTCTGGAAGAGCTGGGGAACCACAAGCCTTCAAGAAGGAGCTGCGACAA
TTCGTCCTGGGATGAGCCAGGGAGAAGATGGACTTGGTCACCTACTTTGAAAAGAGA
CCCCAGGCGTGCATTGCACAACCAAGTTTTGTGACTACGGGAAGGCTCCCGGGGCA
GAGGAGTACGCTCAACAAGATGTGTTAAAGAAATCTTACTCCAAGGCCTTACGCTGACC
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CAACTGCAGTTGTGGCCGAGTGTGTTGACAAGCTGTCAACCCACTGACAACCTGCCGCGG
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GAGTAAGCCGGGCAAGCTCTATTCTTGGGCAATGGGCGTGGATGCTGACCTGGCC
AAGAACATGGAGTCAAGGCACTTTCACGGGGTACTACGGGAAAGGCAAACTGTGCC
ACGCAAGGTAGCCGGAAGGGGGCGCCTTGCAGTCTGCACCATCATATGAGTGTCTCA
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GCTCCCAACACAAGGTGGGCAGGGAGGCACCATTCAGGAACCTGGACCAAAGCTGACGAG
GCTGGGCAAGCCAGGGATGGGGCCACAGCCAGAACCCCGAGCCCTACTCCAGTTCTG
GTTAGCTCAGCCCAAGCCAGCCAGCTGCTCTGCCAGAGCTGGGTGAGTGGGGAGACA
CCTCAGAGCCCCGAAAACCACTGACCCGAGGCAAAAGGCAGTGGGGCTGGGGTGTGTT
TTCCATGGTCACAGAGAACTAGTGGTGGCTCTGAGAAGGGGAGGACCTCTGGGCTTGTGAT
TCCATCTCCTTGTCTTTTTTCTTGTGTTTTAGAGACAGGGTCTGCTATTTCCCAAGCTG
GAGTGCAGTGGTGCATCATGGCTCACTGCAGCCTCGAACTCCTGGGCTCAAGCAATCCT
CCTGAGTGATCCCATTTCTTAATCAGTGTAGCCCCAAGAAGGCTGGGGCTATTTACCAGG
GTAGAAAAAGGAGCTTACCTCCACCTTTGGTCCCTAAGTCCCTGCCCCCTCCCTTACCA
CCATAACTAGGTAACAGTTTGATAACTAGGGAAGAAAGCAGAACAGTTAAGCAGCCGCCA
CATCCCCGCTGGCTGGGGCCTCACTCCAGGAAGGGCTGGACTGGCTGTCTTTCCAGT
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GCTCCAGTCTGCTCTCTACCCAGCCCATCTTGCTCCATGGTGCCTCTGGAGGCCTCTG
GGCCTCTCTAACAGGGGCTGGTGGGCACCAAGAGCCAATGGAGTAGACCCTGGCTGGT
AAGGGCAAGTCCACCGGTTGCTTCTGGGAAGGGGTTTCTAACACTAGTCTGTGTGCTG
TGGTTCCTGGGGTCCCTCCACTGCCCTCTGTTTCAAGTAAAGGGCCTTGTAAATCGGGT
GTCCTCAACAAAAGTGTCTTGGATTTAAGTTACTATCCTGGCTTTGCCAACCTCAGCA
ACCTGTAAGACTGATAATGAAATAAATCATGTTAATCCTAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC028040 unedited GGTTCTTAATTTGTATACGACTCACTATAGGCGGCCGCGNAATCANATCTGGTACCGGTC CGGAATCCCCTGGGATGGCTCGGGTTGTGCCACCGCTGGACTCCCCTGTCCCTCCGCGCAG GCGGGCGGCCCGGAGCGCTGGTGCCGGCAGAGGCGGCGACGGTGGCGCCCTCCTCATC ATGAACAGAGGCTTCTCCGAAAAGCCACACATTCTGCCAAGATCTTCTCCGCAAG ATGTCATCCTCAGGGCCAAGGACAAGCCTGAGCTGCAGTTCCCTTCCCTCAGGATGAG GACACAGTGGCCACGCTGTAGAGTGCAAGACGCTCTTCATCTTGCGCGGCTGCCAGGA AGCGGCAAGTCCACGCTGGCACGGGTATCGTGGACAAGTACCGTGATGGCACCAAGATG GTGTCGGCTGACGCTTACAAGATCACCCCGGCGCTCGAGGAGCCTTCTCCGAGGAGTAC AAGCGGCTCGATGAGGACCTGGCTGCCTACTGCCGCCCGGGACATCAGAATCTTGTG CTTGATGACACCAACCACGAACGGGAACGGCTGGAGCAGCTCTTTGAAATGGCCGACCAG TACCAGTACCAGTGGTGTGGTGGAGCCCAAGACGGCGTGGCGGCTGGACTGTGCCAG CTCAAGGAGAAGAACCAGTGGCAGCTGTCGGCTGATGACCTGAAGAAGCTGAAGCCTGGG CTGAGAANGACTTCTGCCGCTCTACTCGGCTGGTTCTGACCAAGAAGAGCTCTGAG ACCCTCCGCANAGCCGGCCAGGTCTTCTGGAAGAGCTGGGGACCACAAGGCCCTCAGA AAGAGCTGCGACATTCGTCCCTGGNGATGAGCCCANGGAGAGATGGACTTGGTCACTAC TTTGAAGAGACCCCCAGCGTGTGCC
Restriction Sites:	Please inquire
ACCN:	BC028040
Insert Size:	2700 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:	<ol style="list-style-type: none">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:	BC028040.1 , AAH28040.1
RefSeq Size:	2725 bp
Locus ID:	1267
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]