

Product datasheet for SC114713

AGTPBP1 (NM_015239) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AGTPBP1 (NM_015239) Human Untagged Clone
Tag:	Tag Free
Symbol:	AGTPBP1
Synonyms:	CCP1; CONDCA; NNA1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114713 sequence for NM_015239 edited (data generated by NextGen Sequencing)

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ATGAGCAAGTAAAAGTGATACCAGAAAAAGCCTTACCAATAATTCTAGGATCGTAGGA
CTCCTGGCTCAACTGGAGAAGATCAATGCTGAGCCTTCAGAATCAGACACTGCCCGATAT
GTTACATCAAAAAATTCCTCATCTGGCTCAGAGTCAAGAAAAACAAGGAGAGAAATGACA
GCCAAAGTTCTACAGGAATGAAATTCTGCTGTCAACATTAGAGAACACAAAAGATCTT
CAAACACTTAATATCTTAAGCATTCTGTTGAGCTGGTGTGACAGCTGGTGGAGGTCGA
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AAGATTGGACAAAAGATAAAAAATTTGGAGTAAAGGCTAGAATTAATGGGGCTCTGAAT
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TCATCAGTCCATGTTTAAACAATGATATTGTAAGGCCTTGGACCGAATTACATTGCAG

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AATATTCCTTCTCAAACAGCCCCAGGTTTTACTGCAGAAATGAAGAAGGACTGCAGTCTT
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CTGTTTGAGGGAAGAACAGTTACGCTAGGGAAGCTTTGCTGCACTGGAGTTGAACTGAA
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GAAAATGTAGGAGATTATGAACCTTCTGCTCAAGAAGAAGTACTTTCTGACTCTGAATTA
TCAAGAACATACCTACCTTGA

Clone variation with respect to NM_015239.2

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_015239 unedited
 CCGAGCGCCGCCGATTTGCCGCGCCGCCGCTCCGCCTCGCCTGCCACCGGGTGTG
 ATGAAACACCGGGCGCGGGCGCGAGGGATCCGCCGTGATCCAGGTGCTGAGCCGGT
 GCTGCGGCTCTGCGCGGTCCCCGCCAGCGCCCATCTGAGCTTANNATCNGTAATTATG
 AATTGAAGTAACTCAAGATGAGCAAGTTAAAAGTGATACCAGAAAAAGCCTTACCAATA
 ATTCTAGGATCGTATGACTCCTGGCTCAACTGGAGAAGATCAATGCTGAGCCTCAGAAT
 CAGACACTGCCGATATGTTACATCAAAAATTCTCATCTGGCTCAGAGTCAAGAAAAA
 CAAGGAGAGAAAATGACAGCCAAAGTTCTACAGGAATGGAAATCTGCTGTCAACATTAG
 AGAACACAAAAGATCTTCAAACACTTAATATCTTAAGCATTCTTGTGAGCTGGTGT
 CAGCTGGTGGAGGTCGAAGAGTGAGTTTCTTAGTCACCAAAGGTGGTTCACACATATTGT
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 ATTCATTCTATTCTGCAAAGATTGGACCCAAAGATAAAAAATTGGAGTAAAGGCTAGGA
 AATAATGGCGCTCTTGATATAACCCTGAATTTGTTCAACCAGAAATGCAAAACCATCGC
 TTGAGTCTACCCTGGCTTCAGCTTTTCCAAGTATATTCTGCCAACTCTGAGAAATCACA
 TATCCCTTAGGGAAAAAGGGAATTGCGGAACTGAGGTTTAAAATCATGGGCCCTTAATA
 GGAAAAATCCGGTCTTATAAAGGTTGTGTTAACACACCTG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_015239 unedited
 TGACCGCGCCGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTGAACATTTAATACA
 GTTTTTATTTGTTAATTTGGTAAATGTAGAATGTAAATGGTTTCAAGGCAACCCCTGGAC
 TACTTCAGTCACAACCCAATAGTTAACATGATTCTGAAGAACAGTCTTATCTGCAATATC
 TACCCACTTCTAAACAAACACATCTATAGAAATCCATGTACATATATATTAGTTTTCAAC
 AAGTCAGGATTTTCAACAACTCTAAAATTTCAATTTTATATTCTGAACACACTTCAAAAT
 TATCCACTTGATGCAGGATATAACCATAGGGAGATAAAAAATTCATGCAATGATACTCAGG
 TTTTTTTTTTAAAGGTAATCCAATATTTGATCATTCAATGCTACATAAAGTGCATTGAA
 TATCGAAAATAAAACAAGCGCAATTTTATCATTAAATTAATAACACATTTATTATCTTGA
 AACCAAACTGGCCCAAGTTACTTTTTGTCTTTTGTGAGTCAGCTGTATAAACTCATTTC
 TCTCAAGCTTCCGGAAAAAAAACCAAGATATTCATTATTCTTTGCAAGTAACAAG
 AGATGGCACCGGGCTCAAGGTAGGTATGGTCTTGATAATTGAGAGCCCGAAAGCATTCT
 TCTTGAGCAAAAGGTTACATACACTCCTACATTTTCAAGCAACTCAAAATCTAACTCATGA
 TTAATTTTTGCACTGGAAATCAACTCCTTAAGGAATCGAGGCTCCATCTTCTCCACAAAC
 TAAAGGGGAGGCGCTGTCACTTCGCACCCGCTCCAATTCACCATTCCAAAGCCCGCCGG
 CCGGGAGGCTATTATACTCCACGGGAGAGGTCAGCCTATCACAATGCAAGAAACACACAA
 ATCTGGTCCATC

Restriction Sites:

NotI-NotI

ACCN:

NM_015239

Insert Size:

4430 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_015239.1](#), [NP_056054.1](#)

RefSeq Size: 4220 bp

RefSeq ORF: 3561 bp

Locus ID: 23287

UniProt ID: [Q9UPW5](#)

Cytogenetics: 9q21.33

Domains: Zn_carbOpept

Protein Families: Protease

Gene Summary: NNA1 is a zinc carboxypeptidase that contains nuclear localization signals and an ATP/GTP-binding motif that was initially cloned from regenerating spinal cord neurons of the mouse. [supplied by OMIM, Jul 2002]

Transcript Variant: This variant (2) includes an additional exon in the 5' region and thus differs in its 5' UTR and initiates translation from an alternate start codon, and it also uses an alternate in-frame splice site in the 5' coding region, compared to variant 1. The encoded isoform (b) has a distinct N-terminus and is shorter than isoform a.