

Product datasheet for **MC220814**

Agtppb1 (BC060633) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Agtppb1 (BC060633) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Agtppb1
Synonyms:	Nna1, 4930445M19Rik, 1700020N17Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >BC060633
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGCAAGCTAAAAGTGGTGGGAGAGAAAAGCCTTACCAATAGTTCTCGGGTTGTGGGACTCCTGGCTC
 AGCTGGAGAAGATCAATACGGATTCCACAGAGTCAGATACTGCCAGATATGTTACATCCAAAATTCTTCA
 TTTGGCTCAAAGTCAAGAAAAACAAGAAGGAAATGACAACCAAAGTTCTACAGGCATGGAAGTTCTG
 TTGTCAACATTGGAGAACACGAAAGATCTTCAGACTGTACTTAATATCCTAAGCATTCTCATTGAGCTGG
 TGTATCGGGTGGGGTGAAGAGCGAGTTTCTTAGTTGCCAAAGGTGGTTCACAAACTGTGCAACT
 GCTTATGAATGCCAGCAAAGACTCTCCTCCACATGAGGAGGTGATGGTGCAGACTCACTCCATTCTTGCC
 AAGATTGGGCCAAAAGATAAGAAATTTGGAGTGAAGCTCGAGTTAACGGGGCACTGACTGTGACTCTGA
 ACTTGGTAAAGCAGCACTTTCAGAACTACCGCTTGGTTCTTCTTGTCTTCAGCTCTTGGCAGTCTATTC
 TACCAACTCTGTGAAGTCACTATCTTTAGGTAATAATGGAGTTGTGGAGTTGATGTTTAAAAATCATTGGG
 CCATTCAGTAAGAAGAATTCGGGTCTCATGAAGTTGCTTTAGACTCTTGGCTGCATTGCTAAAAATCAA
 AGACAAACGCCAGGAGAGCGGTGGACAGAGGGTACGTTCAAGTGCTTCTAACCATCTATGTAGATTGGCA
 CCGCATGATAATCGGCATAGAAACATGCTCATTCCGAAAGGGATTCTACAGAGCTTAAAAAGTGTACAG
 AACATCAAGTTGGGCAGAAAAGCATTATTATGATGCGAATGGGATGAAAATCTGTATAACACTTCTCAAG
 AGTGCTTGGCGGTGAGGACTCTTGTATCCTTGTCAACACATCCAGTCTGATAATGAGAAAATGCTTCCC
 CAAAACCGCCTCCCGCTCCCCACCTAAAAGTCTTTCCACTTCCAATTGCCAATTATCCCTGTGACT
 GGACCTGTGGCCAGCTCTACAGCTTCCCGCTGAAGTGGACGATGTGGTGGACGAGAGTACGACACAACG
 ACGACATTTGATTAGAAGCGGAAAATGAAGTTCGAGAATGAAGTACACTAGATCAGAGTTTAAAGAAATGA
 TGATATTGAAACAGATATTAATAAATTAAGACCTCAGCAAGTACCAGGACGAACAATAGAAGAACTAAAA
 ATGTACGAGCACCTTTTCCCGAGCTTGTGATGATTTTCAGGACTATGAACTGATCTCTAAGGAACCCA
 AACCTTTTGTGTTTGAAGGGAAGGCTCGGGGCCCATTTAGTTCACAGCTGGAGAGGAGGTACCTGG
 GAATTCAGGGAGCGTAAAGAAAGGAGTGGTAATGAAGGAGAGAGCAAGTCTAAAGGAGAGGAAGCCAAG
 GAAGACCTAAGGGCCACGACAGGACACTGCCGACGAGCTGGGTGGCCAGAGCAGAGTGGCCCCCTCAG
 CCCACAGCTTCAACAATGATCTTGTGAAGGCCCTAGACCGAATCACACTGCAGAATGTTCTTCCGCAAGT
 AGCCTCGGGCTTGAACGCAGGAATGAGGAAGGACTTTGGTCTCCCTCTCACTGTCCTCTCATGCACGAAA
 GCTTGTCTCACGTGGCTAAGTGTGGAAGTACTCTTTTGAAGGGCGGACGGTACATCTTGGGAAGCTGT
 GTTGTACTGGAGTTGAAACGGAAGATGACGAAGCACTGAGTCCCACTCATCAACAGAGCAGGCCCCCTC
 TGTTGAAGCCTCTGATGGACCAACTGCACGACCCAGACCTCTATATTGAGATTGTGAAAAATACGAAG
 TCCGTTCCAGAATACTCAGAGGTGGCTTATCCTGATTATTTTGGTACATTCCACCTCCCTTCAAAGAGC
 CTATTTTAGAAAGGCCTTATGGTGTACAAAGGACAAAAATGGCCAAGACATCGAGAGGCTGATACACCA
 GAACGATATCATAGACCGCGTGGTGTATGACTTAGACAACCTACCTATACCACTCCAGAAGAAGGAGAT
 ACTTTGAAGTTTAACTCAAATTCGAATCTGGGAATCTGCGCAAAGTAAATCAAATTAGAAAAAGCGAGT
 ACGACCTTATCCTGAAGTCTGATATAAACAGTAACCATACCACAGTGGTCTACTTTGAAGTCAAGTGG
 GATGCGGCCTGGTGTGGCATATAGGTTCAACATCATCAACTGTGAGAAGTCCAACAGTCAAGTTAATTTAT
 GAAATCACTTCTCAGGAAGCTCAGTTGCCGACGGGACAGAAAGGCAAGTCTACTACACCATCACCTT
 CACCGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
 ACCN: BC060633
 Insert Size: 2163 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:	BC060633
RefSeq Size:	4585 bp
RefSeq ORF:	2387 bp
Locus ID:	67269
Cytogenetics:	13
Gene Summary:	Metalloprotease that mediates deglutamylation of target proteins. Catalyzes the deglutamylation of polyglutamate side chains generated by post-translational polyglutamylation in proteins such as tubulins. Also removes gene-encoded polyglutamates from the carboxy-terminus of target proteins such as MYLK. Acts as a long-chain deglutamylase and specifically shortens long polyglutamate chains, while it is not able to remove the branching point glutamate, a process catalyzed by AGL5/CCP5. Deglutamylation plays a key role in cerebellar Purkinje cell differentiation, accumulation of tubulin polyglutamylation causing neurodegeneration.[UniProtKB/Swiss-Prot Function]