

Product datasheet for **MC223026**

Agtppb1 (BC082335) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Agtppb1 (BC082335) Mouse Untagged Clone
Tag: Tag Free
Symbol: Agtppb1
Synonyms: 1700020N17Rik; 2310001G17Rik; 2900054O13Rik; 4930445M19Rik; 5730402G09Rik; CCP1; nmf243; Nna1; pcd
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >BC082335
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCAAGCTAAAAGTGGTGGGAGAGAAAAGCCTTACCAATAGTTCTCGGGTTGTGGGACTCCTGGCTC
AGCTGGAGAAGATCAATACGGATTCCACAGAGTCAGATACTGCCAGATATGTTACATCCAAAATCTTCA
TTTGGCTCAAAGTCAAGAAAAACAAGAAGGGAAATGACAACCAAGGTTCTACAGGCATGGAAGTTCTG
TTGTCAACATTGGAGAACACGAAAGATCTTCAGACTGTACTTAATATCCTAAGCATTCTCATTGAGCTGG
TGTCATCGGGTGGGGTGAAGAGCGAGTTTCTTAGTTGCCAAAGTGGTTCACAATACTGTTGCAACT
GCTTATGAATGCCAGCAAGACTCTCCTCCACATGAGGAGGTGATGGTGCAGACTCACTCCATTCTTGCC
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TACCAACTCTGTGAAGTCAAGTATCTTTAGGTAAGGATGGAGTTGTGGAGTTGATGTTAAATCATTGGG
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AGACAAACGCCAGGAGAGCGGTGGACAGAGGGTACGTTCAAGTGCTTCTAACCATCTATGTAGATTGGCA
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GAAGACCCTAAGGGCCACGACAGGACACTGCCGACGAGCTGGGTGGCCAGAGCAGAGTGGCCCCCTCAG
CCCACAGCTTCAACAATGATCTTGTGAAGGCCCTAGACCGAATCACACTGCAGAAATGTTCCCTCGCAAGT
AGCCTCGGGCTTGAACGCAGGAATGAGGAAGGACTTTGGTCTCCCTCTCACTGTCCTCTCATGCACGAAA
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CGACTGCCAGAGCCTACGGGAGTCTTACATTTTTAAATTTGCCCCATGCTAAATCCAGATGGTGTGAT
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
    
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Restriction Sites:

SgfI-MluI

ACCN:

BC082335

Insert Size:

3525 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: [BC082335](#), [AAH82335](#)

RefSeq Size: 4352 bp

RefSeq ORF: 3524 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 AGBL5/CCP5. Deglutamylation plays a key role in cerebellar Purkinje cell differentiation, accumulation of tubulin polyglutamylation causing neurodegeneration.[UniProtKB/Swiss-Prot Function]