

Product datasheet for MC229263

Agbl3 (NM_001289656) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Agbl3 (NM_001289656) Mouse Untagged Clone
Tag: Tag Free
Symbol: Agbl3
Synonyms: 2900053G10Rik; 4930431N21Rik; 6530406M24Rik; CCP3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC229263 representing NM_001289656
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCAGAAGATTCAGAGGAGGAAGACTACTCAGATAGAAGCATCAGTGATGACGATGACTTGGATGAGG
 ATTCCTTCATGAAATTTGTAAGTGATGATTCATCCGTGCACACTACTGCCAGCTGATTCTATTGGTGA
 CCCATTCTCCCTCGGACTACACAAATTTATTGGAGTATCAGCTAGGAAGATGGGTACCACGCCTTCGC
 GGACCACGAGATTTATATGGTGTCTCTTCTTGGTCCACTGAGCCCAACACGGTGGCCATACCCTGTG
 AGGTCATTGATGAAAAAGTCCAGCATATTGAATGGACTCCCTTTGTCCCTGAGCCAGTGTATGTCCCGAC
 AGGCCTGGAAATAGAGCCTGTTTACCCAACTCCAAGGAAGATACTGTGGTTTATTTAGCTGAAGATGAT
 CACCTTTGTAAAGCTTACAAAGAGCCCTGTTTTGTGTAATCCCGAGTTGGGGTAACCGAACATCCTTGA
 AACACCTGTGGATAACTGTGACAACACGCTGGTGTGGAAGCAAGGTTTGAGAGTGGTAACTACAGAA
 GGTAGTCAAAGTTGCAGATCATGAATACGAGTTGACTGTGCGCCAGACCTTTCACAAATAAGCACACT
 CAGTGGTACTATTTCCAGGTCATAATACCCAAGCAGAAATAGTCTACAGATTCATATTGTCAACTTTA
 CCAAGCCTGTAGTCTTTACAATCGGGGTATGAAGCCATTGTTCTATTCTGAAAAAGAGGCCAAAACCCA
 TAACATTGGCTGGCAGAGAATAGGAGATCAAATCAAGTATTATAAAAAATAACCTTGGGCAAGATGGGCGC
 CATTTTTTTCTCTTACGTGGACATTTTCAGTTTCCACACAGCCAGGATACGTGCTACTTTGCTCACTGCT
 ATCCATACACTTACTCCAACCTCAAGAATACCTGTCTGGCATCAACAGTGACCCAGTAAGATCAAAGTT
 TTGTAATAACGTGCTTGTGTACACACTTGCCAGGAATATGGTGTATGTCTTGACAATAACTACTCCC
 TTGAAGACTAGTGACTCAAAGCGCAAGGCTGTATTTGACTGCAAGGGTCCATCCAGGAGAGACCAACA
 GCTCTTGGATCATGAAAGCTTCTGGATTATTTTTAGGAGACTCAAGTATGCACGCTTGCTTCGGGA
 CACTTTCATCTTCAAGGTGGTACCCATGCTGAATCCAGATGGCGTATTGTGGGAAATTATCGATGTTC
 TTAGCTGGACGGGATTTAAACCGTAATTACACATCGCTCCTGAAGGAGTCTTTCCTTCTGTTTGGTATA
 CAAGGAACATGATCAATAGGTTAATGGAGAAACGAGAGGTTATTTTATATTGTGATCTTCATGGCCATAG
 TAGGAAACAGAATATTTTCATGTATGGTTGTGATGGTAGCAGCAGATCTAAAACAAAAGGATTATACTTA
 CAGCAACGGATCTTCCACTCATGCTGAGCAAAAATTGCCAAATATATTTTCTTCTCAGCTTGAAGT



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TTAACGTTTCAGAAAAGCAAAGAGGGGACAGGAAGGGTTGTAATGTGGAAGATGGGCATCAGGAACAGCTT
CACGCTGGAGGCCACCTTCTGCGGATCTACTCTGGGCAATAAACGAGGCACTCATTTTCGGCACAAAAGAT
TTAGAGTCGATGGGATATCATTTTTGTGATTCTCTGTTGGACTACTGTGATCCTGACAGGAGCAAATATT
ATCAGTGCCTGAAAAGAATTAGAAGAAATGGAGAAAACATTTGAGCTCCGAAAGAGTCTCTGATAACACAGA
TACTTCTCTAGTAGAAAATTTCTTTGGATGTAGAGTCTAGTAGTCGAGGCTCTGACAGCTCAGAGTCCAAT
GACACTCAGACTTACCTTCTCAAGGTGACCTCTCAGGCAAGAAACAAGAAAAAGTATCTGAAAACAAAGA
GGGAAAGAAATGCCATCCTAGCAAACCTGCCAGAATAACATGCAAGAGGTTTATGGCAAAGAACATTTACT
CCAAAGACACGATGAATCAAATTTCTGATGGGAATGATCCAAGGATAGATGCACCAGATGTTTATGTGGCT
CACTGTTTCAGAAGACCGTTGCCTAACCAAGGCGTGGTAAAAATTCCTGGACAAAGGTTTATCCCGGAA
AAACATGGTCCAGCTCCCAGCGTATGATTAAGAGTCTTAACAAAGACCATAGGACATGTATTTAGAAAAC
TTGTAAGAATCCAATCCAGGAAGTTCAGTCCAGAGGAATCAATATACATGAAAGTTGTTTCAAAAATGGCG
AAATGTCCTATGAACAAAAGACCTTCACATTGGATTGAGAAGACAAGAATACCAACAGAGTCACATCACC
AGTTGAAAAGCAAAGCAAAGATGCTCGTCTTCCAAAGCAAGAGGACTGGGACGAATTGGACAGATGA
TGAAAACGAATTTACAGGGATAAAAAGAATAGCTCAAACCTCAGGAAATATTAAGTATTTACTCCCTATC
GTGGAGTCTCTCAAACAGGAAATCTACTCAAATGAACAATCTAATCAACCCGATAGCCAACTTGAAC
AGCATCAACTTATCCAAGTCTGCATAAATAGAAGAAGATACAGCATACCTTGGACACCAACCCAGAAA
TCTCCCTTTAAAGCCCAAAGGAATCTTATGACAGACACCTCCGAATGGCTCCAGTCTGTGCCCTTGGG
TCATTTGAAAGTTTGTACCTCTCTGCAATCTTCAGAAGAAGACAAAACATTTTGAAGTCTGGGGCAAAA
AGGCTAAGGATGTGCAGCTTGCCACCAGCCAATGGGAGGCTGTGCCCTTGAGTCTAACATGGATGCAAG
TATCATCAGGGGTAACAGTGTCTGCAGCCTAAAGAATTCACCATGAGGAGCTCTAAGCAGAGAATTCCT
TACCTAACCAAACCAGCAAGAAACCCAGTGAGAGTGATGGCCTGCTCACCTTCCAGCTGAAGATTACAA
GGAACAGTTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001289656
- Insert Size:** 3021 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001289656.1](#), [NP_001276585.1](#)

RefSeq Size: 5261 bp

RefSeq ORF: 3021 bp

Locus ID: 76223

UniProt ID: [Q8CDP0](#)

Cytogenetics: 6 B1

Gene Summary: Metalloprotease that mediates both deglutamylation and deaspartylation 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 or polyaspartates from the carboxy-terminus of target proteins such as MYLK. Does not show dephosphorylation or deglycosylation activities from the carboxy-terminus of tubulin.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).