

Product datasheet for **MC220676**

Agbl5 (BC057349) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Agbl5 (BC057349) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Agbl5
Synonyms:	4930455N08; 9430057O19Rik; CCP5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >BC057349
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAACATGAACAAGCAAAGCAAACCTGTATTCCAGGGCATGGCCCCCTTTGTGCGCACACTGCCTTCCC
 GGCCACGCTGGGAACGCATTAGAGAGCGGCCACCTTTGAGATGACAGAGACACAGTTTGTGCTATCCTT
 TGTTACCGTTTTCTAGAGGGCCGGGAGCCACCACCTTCTTCGCCTTCTGCTACCCCTTCTCTACAGT
 GACTGCCAGGATCTGCTGAGCCAGCTAGACCAGCGCTTTTCAGAGAATTACTCTACCCATAGCAGTCCTC
 TGGATAGTATTTATTACCACCGAGAGCTTCTCTGCTATTCTCTGGATGGACTTCGTGTAGATCTACTAAC
 AATCACTTCTGCCATGGGCTTCGAGATGATCGGGAGCCCGACTAGAGCAGCTATTTCTGATCTCGGC
 ACTCCCGACCATTCGGTTTACAGGCAAAGGATATTCTTCTAAGCAGTAGGGTACACCTGGAGAGA
 CTCATCTAGCTTTGTGTTCAATGGCTTCTGGACTTCATCCTTCGACCTGATGATCCCCGGGCACAAC
 TCTCCGTCGACTCTTTGTTTTAAGTTGATTCCCATGTTAAACCCTGATGGTGTGGTCCGGGGCCACTAC
 CGCACGGACTCCCGTGGAGTGAATCTGAACCGTCACTACTGAAGCCTGATGCCGTCTGCACCCGGCCA
 TCTATGGCGCAAAGCTGTGCTGCTTTATCATCACGTGCACTCGAGGCTCAACGCCAAGAGTCCCACGAA
 CCAGCAACCCACTCTCCATCTCCCTCCGGAAGCCCTCTCTGACCTCGAGAAAGCCAATAATCTCCAC
 AATGAAGCTCACCTCGGGCAGTCACCTGATGGGAAAACCTGCGACTTGGCCTGAGACAGAGCCAGCAG
 AAGAGAAGACTGACCCTGTGTGGCTTATGCCACAGCCAATTCCTGAACCTCGAGGAGCCAGCCCTGACAC
 CATCCCCCAAAGAGAGTGGTGTGCTACTATGTAGACTTGCACGGACATGCTTCCAAAAGGGGCTGC
 TTCATGTATGGCAACAGCTTTAGTGACGAGAGCACCCAGGTGGAAAACATGCTATATCCAAGCTCATCT
 CCTTGAATTCAGCCCACTTTGACTTCCAGGGTGCAATTTCTCAGAGAAGAACATGTATGCCCGACCG
 TAGAGATGGCCAGTCCAAGAGGAAGCGCCGTGTCGCAATCTACAAAGCCTCAGGGATAATCCACAGC
 TACACACTTGAATGCAACTACAACACTGGACGCTCAGTCAACAGCATCCCTGCTGCTGCCATGACAACG
 GGCGCGCCAGCCCCCTCCCTCCGGCTTCCCTCCAGATACACTGTGGAACATTCGAGCAGGTGGG
 GCGAGCTATGGCCATCGCAGCTCTGGACATGGCAGAGTGAATCCGTGGCCCCGAATTGTGCTGTCGGAA
 CACAGCAGCCTCACCAACCTGCGAGCCTGGATGCTGAGGCAGTGCACAGCAGAGGGCTGACCAGTG
 CTGGGAACATGGGCGGAGCAAGAAGCGAGGGGCTCGAACCCCTCCAAAAGCAACAACAGCTTGCCTGT
 TTCTGCTCTGAAAATGCTCTGAGCCGGTTTCGAGTTTTAGCACCGGCAGGACTGTTGGCAGCAGC
 AGCAGCCAACAAAACCTCCACAGATGAAGAACTCTCCAGCTTCCCTTTTCATGGCAGTCGGACTGCGG
 GGCTACCAGGCCCTGGGCTTAGCACCCAAAAGGTAGCCATCGGGTGTGGGCCCTGTGAGAGAGCCCCG
 ATGCTCAGACAGAAGGGCGGACAGCAGCCACTGAACCATCGCTCTACCACAAGCAGCCTGGCCCCATCC
 CCAACTCTGGCTAGTTCTGGCCAACTCCTCACGAAACATGGGCTCCTGCCTCTACCCAACTCACTCA
 GCTTATCAGGGAGCAGCTGCTATTCTCGTCTTCAGGGGACAAGCCAGAGGCTGTGATGGTATTGGGAA
 AAGCCTACTAGGGGCTGGTGTGCTCGGATCCCTTGCATTAGGACTCGATTGCAGACTCCATTGTCCTGCCA
 GATGCACCCCAACCACAGCCTACTAGCTTTGGCTTCTACCCGTCTTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGTTTAA

Restriction Sites: SgfI-MluI
ACCN: BC057349
Insert Size: 2151 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:	<u>BC057349</u> , <u>AAH57349</u>
RefSeq Size:	3332 bp
RefSeq ORF:	2150 bp
Locus ID:	231093
Cytogenetics:	5 B1
Gene Summary:	Metalloprotease that mediates protein deglutamylation. Specifically catalyzes the deglutamylation of the branching point glutamate side chains generated by post-translational glutamylation in proteins such as tubulins (PubMed:20519502, PubMed:21074048). In contrast, it is not able to act as a long-chain deglutamylase that shortens long polyglutamate chains, a process catalyzed by AGTPBP1/CCP1, AGL2/CCP2, AGL3/CCP3, AGL1/CCP4 and AGL4/CCP6 (PubMed:25103237). Mediates deglutamylation of CGAS, regulating the antiviral activity of CGAS (PubMed:26829768).[UniProtKB/Swiss-Prot Function]