

## Product datasheet for **MC222076**

### **Agbl5 (NM\_001048192) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Agbl5 (NM_001048192) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Agbl5
Synonyms:	9430057O19Rik; CCP5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >MC222076 representing NM\_001048192  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGCTGCGCTGTGGGGATTGCTGTTCAGTTCTCGCTTTGATTCAGGGAACCTAGCCATGTGGAAA  
 AGGTGGAGACTGTGTCTAGTGATGGGGAAGGCGTAGGAGGGTGGCAACAGCCCCGCTAGTGGGTCTGC  
 TGCTTCCCTGACTACGAGTTCAACGTGTGGACCCGGCCTGACTGTGCTGAAACGGAATATGAAAATGGC  
 AACAGGTCATGGTTCTACTTCACTGTCCGGGGAGGACTCCAGGAAAGCTTATCAAGATCAACATTATGA  
 ACATGAACAAGCAAAGCAAAGTATTCCAGGGCATGGCCCCCTTTGTGCGCACACTGCCTTCCCGGCC  
 ACGCTGGGAACGCATTAGAGAGCGGCCACCTTTGAGCTGGGGTCCAAGCTGAGCCCTGCTTCAGCAAG  
 CCTGAAGAAGCTGGTTCTCATGTGGAGAGTGTAGAGGGGAGGAGTTGGTAAAGATGACAGAGACACAGT  
 TTGTGCTATCCTTTGTTACCGTTTCGTAGAGGGCCGGGAGCCACCACCTTCTCGCTTCTGCTACCC  
 CTTCTCCTACAGTACTGCCAGGATCTGCTGAGCCAGCTAGACCAGCGCTTTTCAGAGAATTACTCTACC  
 CATAGCAGTCTCTGGATAGTATTTATTACCACCGAGAGCTTCTGCTATTCTCTGGATGGACTTCGTG  
 TAGATCTACTAACAATCACTTCTGCTGATGGGCTTCGAGATGATCGGGAGCCCCGACTAGAGCAGCTATT  
 TCCTGATCTCGGCACTCCCCGACCATCCGTTTCACAGGCAAAAGGATATTTCTTAAAGCAGTAGGGTA  
 CACCCTGGAGAGACTCCATCTAGCTTTGTGTTCAATGGCTTTCTGGACTTCATCCTTCGACTGATGATC  
 CCCGGGCACAACTCTCCGTCGACTCTTTGTTTTAAAGTTGATTTCCATGTTAAACCCTGATGGTGTGGT  
 CCGGGGCCACTACCGCAGGACTCCCGTGGAGTGAATCTGAACCGTCAGTACTTGAAGCCTGATGCCGTC  
 CTGCACCCGGCCATCTATGGCGCCAAAGCTGTGCTGCTTATCATCACGTGACTCGAGGCTCAACGCCA  
 AGACTCCACGAACCCAGCAACCCACTCTCCCTCCGGAAGCCCCCTCTCTGACCTCGAGAAGAG  
 CAATAATCTCCACAATGAAGCTCACCTCGGGCAGTCACCTGATGGGAAAACCCTGCGACTTGGCTGAG  
 ACAGAGCCAGCAGAAGAGAAGACTGACCCTGTGTGGCTTATGCCACAGCAATTCCTGAACTCGAGGAGC  
 CAGCCCCGACACCATCCCCCAAAAGAGAGTGGTGTGCTTACTATGTAGACTTGCACGGACATGCTTC  
 CAAAAGGGGCTGCTTATGTATGGCAACAGCTTTAGTGACGAGAGCACCAGGTGAAAACATGCTATAT  
 CCAAAGCTCATCTCCTTGAATTCAGCCACTTTGACTTCCAGGGCTGCAATTTCTCAGAGAAGAATGT  
 ATGCCCGAGACCGTAGAGATGGCCAGTCCAAAGAGGGAAGCGGCCGTGTCGCAATCTACAAAGCCTCAGG  
 GATAATCCACAGTACACACTTGAATGCAACTACAACACTGGACGCTCAGTCAACAGCATCCCTGCTGCC  
 TGCCATGACAACGGGCGCCAGCCCCCTCCCCCTCCGGCTTTCCCTCCAGATACACTGTGAACTAT  
 TCGAGCAGGTGGGGCAGCTATGGCCATCGCAGCTCTGGACATGGCAGAGTGAATCCGTGGCCCCGAAT  
 TGTGCTGTGGAACACAGCAGCCTCACCAACTGCGAGCCTGGATGCTGAGGCACGTGCGCAACAGCAGA  
 GGGCTGACCAGTGTGGGAACATGGGCGCAGCAAGAAGCGAGGGGCTCGAACCCCTCCAAAAGCAACA  
 ACAGCTTGCTGTTTCTGCTCTGAAAATGCTCTGAGCCGGGTTTCGAGTTTTAGCACCGGCACGAGTAC  
 TGGTGGCAGCAGCAGCAACAAAATCTCCACAGATGAAGAAGTCTCCAGCTTCCCTTTTCATGGC  
 AGTCGGACTGCGGGGCTACCAGGCTGGGCTCTAGCACCCAAAAGGTGAGCCATCGGGTGTGGGCCCTG  
 TCAGAGAGCCCCGATGCTCAGACAGAAGCGGGCAGCAGCCACTGAACCATCGCTCTACCACAAGCAG  
 CCTGGCCCCATCCCCAACTCTGGCTAGTTCTGGCCCAACTCTCACGAAACATGGGCTCCTGCCTCCTA  
 CCAATTCAGCTTATCAGGGAGCAGCTGCTCATTCTCGTCTTCAAGGGACAAGCCAGAGGCTGTCA  
 TGGTGATTGGGAAAAGCCTACTAGGGGCTGGTGTGCGGATCCCTTGCAATTAGGACTCGATTGCGACCTG  
 CCAGAGGAGAGTTTCCGCCAGGAGGGTCCCGATTCCCCAGGCTAGGCCAGGTTGGGCCGGAGCTCAC  
 CGCCGACTCGCAGAGGGATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_001048192  
**Insert Size:** 2541 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001048192.2</a> , <a href="#">NP_001041657.1</a>
<b>RefSeq Size:</b>	3303 bp
<b>RefSeq ORF:</b>	2541 bp
<b>Locus ID:</b>	231093
<b>UniProt ID:</b>	<a href="#">Q09M02</a>
<b>Cytogenetics:</b>	5 B1
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (3) encodes the longest isoform (3).</p>