

Product datasheet for **RN209447**

Agbl5 (NM_001126372) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Agbl5 (NM_001126372) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Agbl5
Synonyms:	Agbl5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN209447 representing NM_001126372
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCTGCGCTGTGGGGATTGCTGTTCAGTTCCTCGCTTTGATTCAGGGAACCTAGCCATGTGGAAA
 AGGTGGAGACTGTGCCTAGTGATGGGGAAGGCGTAGGAGGGGCGCAACAGCCCCACTAGTGGTTCTGC
 TTCTTCCCTGACTACGAGTTCAACGTATGGACGCGCCAGACTGTGCTGAAACAGAATATGAGAATGGG
 AACAGGTCATGGTTCTACTTCAGTGTCCGGGGAGGAACTCCAGGAAAGCTTATCAAGATCAATATTATGA
 ACATGAACAAGCAGAGCAAATAATTCTCAGGGCATGGCCCCCTTTGTGCGCACATTGCCTTCCCGGCC
 ACGCTGGGAACGCATTAGAGAGCGGCCACCTTTGAGATGACAGAGACACAGTTTGTGCTATCCTTTGTT
 CACCGTTTCGTAGAGGGCCGAGGAGCCACCACCTTCTCGCCTTCTGCTACCCCTTCTCCTACAGTGACT
 GCCAGGATTTGCTAAGTCAGCTAGACCAGCGCTTCCAGAGAATTACTCTGCCCATAGCAGTCTCTGGA
 TAGCATTTATTACCACCGAGAGCTTCTCTGCTATTCTCTGGATGGACTTCGGGTAGACTACTAACAAATC
 ACCTCCTGCCATGGGCTTCGAGATGATCGGGAGCCCCGTCTAGAGCAGCTATTTCTGATGTTGGCACTC
 CCCGACCATTCGGTTTCACAGGCAAAAGGATATCTTCTTAAGCAGTAGGGTTACCCCTGGAGAGACTCC
 ATCTAGCTTTGTCTTCAATGGCTTTCTGGACTTCATCCTTCGACCTGATGACCCCGGGCCAAACTCTC
 CGTCGACTCTTTGTTTTAAATTGATCCCATGTTAAACCCTGATGGTGTGGTCCGGGGCCACTACCGCA
 CAGACTCCCGTGGAGTGAACCTGAACCGTCAGTACTTGAAGCCCGATGCTGTCTGCACCCAGCCATCTA
 TGGCGCTAAGGCCGTGCTGCTTTATCATCAGTGCCTCGCGCTCAACTCCAAGAATCCCTCGAACCCAG
 CAGCCCAGCAGCCTTCTCTTCTCCTGAAGTCTCTTCTGACCTCGAGAAAGCTAATAATCTCCACA
 ATGAATTGCACCTTGGGCAGTCACTGATGGGAAAACCATGACAGGTGGACTGAGACAGCCGACAGCA
 AGAAAAGACTGACCCGGTGGATTATGCCACAACCGATTCTGAACTTGAGGAGCCAGCCCTGACGCC
 ATCCCCCAAAAGAGAGTGGTGTGCTTACTATGTGGACTTGCATGGACATGCTTCCAAAAGGGGTGCT
 TTATGTATGAAAACAGCTTTAGTGATGAGAGCACACAGGTGAAAAACATGCTATATCCAAAGCTCATCTC
 CTTGAATTCAGCCACTTTGACTTCCAGGGTCAATTTCTGAAAAGAACATGTATGCCCGGGACCGT
 AGGGACGGCCAGTCCAAGGAGGGAAGTGGCCGTGTGCAATCTACAAAGCCTCAGGGATAATCCACAGCT
 ACACACTTGAATGCAACTACAACACTGGACGCTCAGTCAACAGCATCCCTGCTGCCTGCCATGACAATGG
 GCGCGCCAGCCCCCTCCCCCTCCGACTTCCCCCTCCAGATACACTGTGGAAGTGTGAGCAGGTGGGA
 CGAGCTCTGGCCATCGCAGCACTGGACATGGCGGAGTGAACCCATGGCCCCGAATCGTGTCTCGGAAC
 ACAGCAGCTCACCAACCTGCGGGCCTGGATGCTGAAGCAGTGCAGCAATAGCCGAGGCCTGACCAGCAC
 TGCAAACGTGGGCTGAACAAGAAGCGAGGATCGCGGACTCCTCCCAAGAGTAACAATGGATTGCCTGTT
 TCCTGTTCTGAAAATGCCTTGAGCCGGGCTCGAAGTTTTAGCACTGGTACAAGTACTGGTGGTAGCAGCA
 GCCAACAAAATTCTCCACAGATGAAGAATCTCCAGCTTCCCTTTTCATGGCAGTGGCCCTGCAGGGCT
 GCCAGGCTGGGCTCTAGACCCAAAAGGTGAGCCATCGGGTGTGGGCTGTGAGAGAGCCCCGATGC
 CCAGACAGAAGGCGGGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGC
 CACTGAACCAACGCTCTACAACAAGCAGCCTAGCCCCATCCCCAACTCTGGCTAGTGCTAGCCCCAACCTC
 CTCCCGAACATGGGCTCCTGCCTCCTGCCAATTCACCTCAGCTTATCAGGGAGCAGTGCCTTCTCG
 TCTTCAGGGGACAAGCCAGAGGCTGTATGGTGATTGGGAAAAGCCTACTAGGGGCTGGTGTCTCGGATCC
 CCTGCATTAGGACTCGTTTGCAGACCTGCCAGAGGAGTTTTCCGCCAGGAGGGTCCCGGATCCCCAG
 GCTAGGCCAGGTTGGCCGGAGCTCACCGCGACTCGCAGAGGGATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001126372
Insert Size: 2499 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:	NM_001126372.1 , NP_001119844.1
RefSeq Size:	3307 bp
RefSeq ORF:	2499 bp
Locus ID:	362710
UniProt ID:	B2GV17
Cytogenetics:	6q14
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. 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. Mediates deglutamylation of CGAS, regulating the antiviral activity of CGAS.[UniProtKB/Swiss-Prot Function]