

Product datasheet for MR218893

Agbl3 (NM_178630) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Agbl3 (NM_178630) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Agbl3
Synonyms:	2900053G10Rik; 4930431N21Rik; 6530406M24Rik; CCP3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR218893 representing NM_178630 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCAGAAGATTCAGAGGAGGAAGACTACTCAGATAGAAGCATCAGTGATGACGATGACTTGGATGAGG
ATTCCTTCATGAAATTTGTAAGTGATGATTCATCCGTGCACACTACTGGCAGCTGATTCTATTGGTGA
CCCATTCTCCCTCGGACTACACAAATTTATTGGAGTATCAGCTAGGAAGATGGGTACCACGCCTTCGC
GGACCACGAGATTTATATGGTGTCTCTTCTTCTGGTCCACTGAGCCCAACACGGTGGCCATACCACTGTG
AGGTCATTGATGAAAAAGTCCAGCATATTGAATGGACTCCCTTTGTCCCTGAGCCAGTGTATGTCCCGAC
AGGCCTGGAAATAGAGCCTGTTTACCCAACTCCAAGGAAGATACTGTGGTTTATTTAGCTGAAGATGCT
TACAAAGAGCCCTGTTTTGTGATTCCCGAGTTGGGGTAACCGAACATCCTTGAACAACCTGTGGATA
ACTGTGACAACACGCTGGTGTGTTGAAGCAAGGTTTGGAGTGGTAACTACAGAAGGTAGTCAAAGTTGC
AGATCATGAATACGAGTTGACTGTGCGCCAGACCTCTTCACAAATAAGCACACTCAGTGGTACTATTTTC
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TTTACAATCGGGGTATGAAGCCATTGTTCTATTCTGAAAAAGAGGCCAAAACCCATAACATTGGCTGGCA
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CCAACCTTCAAGAATACCTGTCTGGCATCAACAGTGACCCAGTAAGATCAAAGTTTTGTAATAACGTGT
CTTGTGTACACACTTGCCAGGAATATGGTGTATGCTTGGACAATAACTACTCCCTTGAAGACTAGTGAC
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CCACTCATGCTGAGCAAAAATTGCCAAATATATTTTCCTTCTCAGCTTCAAGTTAACGTTTCAGAAAA
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAGGTTTAA

Protein Sequence:

>MR218893 representing NM_178630
 Red=Cloning site Green=Tags(s)

MSEDEEEEDYSDRISIDDDDLDEDSFMKFSVSDDIHPCTLLAADSIGDPFFPRTTQILLEYQLGRWVPRLR
 GPRDLYGVSSSGPLSPTRWPHYHCEVIDEKVQHIIEWTFVPEPVYVPTGLEIEPVYPNSKEDTVVYLAEDA
 YKEPCFVYSRVGNRTSLKQPVNDNDTLVFEARFESGNLQKVVKVADHEYELTVRPDLFTNKHTQWYFF
 QVTNTQAEIVYRFTIVNFTKPASLYNRGMKPLFYSEKEAKTHNIGWQRIGDQIKYKNNLQDGRHFFSL
 TWTFFPHSQDTCYFAHCYPYTYSNLQEYLSGINSDPVRSKFCKIRVLCHTLARNMVYVLTITPLKTS
 SKRKAVILTARVHPGETNSSWIMKGFLDYILGDSSDARLLRDTFIFKVVPMLNPDGVI VGNRYRCSLAGRD
 LNRNYTSLKESFSPVWYTRNMINRLMEKREVILYCDLHGHSRKQNI FMYGCDGSSRSKTKGLYLQQRIF
 PLMLSKNCPNIFSF SACKFNVQKSKEGTGRVVMWKMGI RNSFTLEATFCGSTLGNKRGTHFGTKDLESMG
 YHFCDSL LDYCDPDRSKYYQCLKELEEMEKHLSSERVSNDTDTSLVEISLDV ESSSRGSDSSE SNTQTY
 LLKVTSQARNKKYLKTKRERNA ILANCQNMQEVY GKEHLLQRHDESN SDGNDPRIDAPVYVAHCFRR
 PLPNQGVVKIPGQRFYPGKTWSSSQRMISL NKDHRTCI LETCKNPIQEVQSRGINIHESCFKMAKCPMN
 KRPSHWIEKTRIPESHHLKSKAKRCS SFQSKRTGTNWT DDEKRIYRDKRIAQTQEILKYLLPIV ESSF
 NRKSTQMNNL INPIANLQQHQLIPTACINRRRYSIPWTPTRNLPFKAQRNLMTDTSEWLQSVPLGSFESL
 LPLCNLQKKT KHFELWGKKAKDVQLATSQWEAVPLSSNMDASII RGNVLPQKEFTMRSSKQRIPLYTKT
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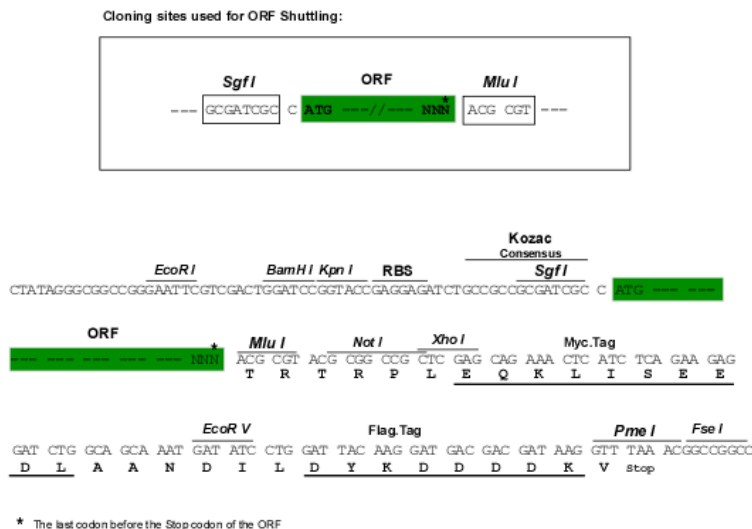
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9096_g03.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_178630

ORF Size: 3003 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_178630.4](#), [NP_848745.2](#)

RefSeq Size: 5246 bp

RefSeq ORF: 3006 bp

Locus ID: 76223

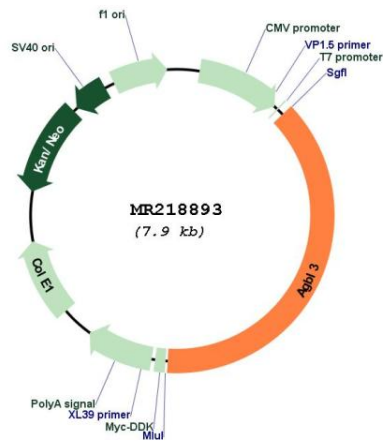
UniProt ID: [Q8CDP0](#)

Cytogenetics: 6 B1

MW: 115.8 kDa

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]

Product images:



Circular map for MR218893