

Product datasheet for RC220826

AGBL1 (NM_152336) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AGBL1 (NM_152336) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	AGBL1
Synonyms:	CCP4; FECD8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC220826 representing NM_152336 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

ATGATCAGCAAGGGTGGCAGTGAAGCTCTTCTGCAGACCCTGGTAGACACAGCGAGGACAGCTCCTCCAG
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Protein Sequence:

>RC220826 representing NM_152336
Red=Cloning site Green=Tags(s)

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MISKGGSEALLQTLVDTARTAPPDYDILLPLFRLAKVGLRDKKIGRKALELEALDVTLLILARKNLSHGQ
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YVTSLLGLHQDWHSHDTANAYVQIRRGLLLCLRHIAALRSGREAFLLAAQMEILFSTTQNCDDKSMPEV
ISVVLQILRQCYPTSPLPLVTASSAYAFPVPGCITTEPPHDLPEEDFEDDGDDEVDKSDTEDGKVEDDD
LETDVNKLSSKPGDRPEEELMQYEVMCLELSYSFEELQSKLGDDLNSEKTQYANHHHIPAAASSKQHCV
SKDQSSCGQEREYAVQTSLLCRVKTGRSTVHLGSKKNPGVNLQYQVQSNLRRDSSESEIPDIQASPKAD
AWDVDAIFCPRMSASFNSSTRTRREVVKVIDKLLQTHLKRVPFHDPYLYMAKARRTSSVDFKMMAFPDVW
GHCPPPTTQPMLEKCGVQRIRIFEDIRRLIQPSDVINKVVFSLDEPWPLQDNASNCLRFFSKFESGNLR
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GKPTWIRTGHEICYKNHYRQSTAVAGGASGKCYTLTFAVTFPHSEDCYLAHYHYPTALMTHLDIL
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TLEFLVSSDPVARLLRENFIFKIIPLNPDGVIINGNHRCSLSGEDLNRQWLSPSAHLQPTIYHAKGLLYH
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8041_d10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152336

ORF Size: 3198 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_152336.2](#), [NP_689549.2](#)

RefSeq Size: 3493 bp

RefSeq ORF: 3339 bp

Locus ID: 123624

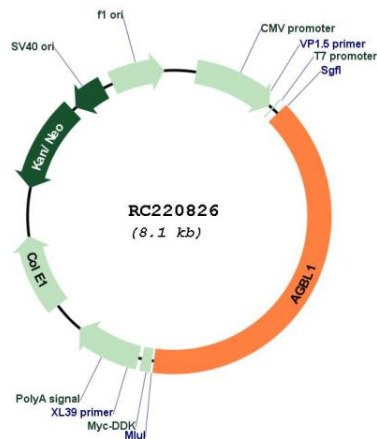
UniProt ID: [Q96MI9](#)

Cytogenetics: 15q25.3

MW: 120.1 kDa

Gene Summary: Polyglutamylation is a reversible posttranslational modification catalyzed by polyglutamylases that results in the addition of glutamate side chains on the modified protein. This gene encodes a glutamate decarboxylase that catalyzes the deglutamylation of polyglutamylated proteins. Mutations in this gene result in dominant late-onset Fuchs corneal dystrophy. [provided by RefSeq, Nov 2013]

Product images:



Circular map for RC220826