

Product datasheet for **SC318360**

AGBL5 (NM_021831) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AGBL5 (NM_021831) Human Untagged Clone
Tag:	Tag Free
Symbol:	AGBL5
Synonyms:	CCP5; RP75
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



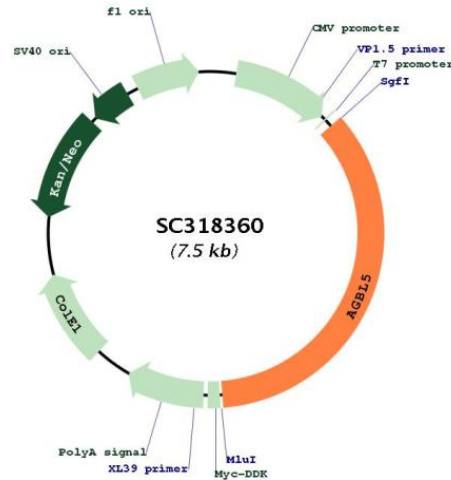
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Fully Sequenced ORF: >SC318360 representing NM_021831.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
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Restriction Sites: Sgfl-Mlul

Plasmid Map:


ACCN: NM_021831

Insert Size: 2661 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_021831.5](#)

RefSeq Size: 3254 bp

RefSeq ORF: 2661 bp

Locus ID: 60509

UniProt ID: [Q8NDL9](#)

Cytogenetics: 2p23.3

Domains: Zn_carbOpept

MW: 97.5 kDa

Gene Summary: This gene encodes a metalloprotease involved in protein deglutamylation and a member of the peptidase M14 family of proteins. The encoded protein has been described as a "dual-functional" deglutamyase that can remove glutamate residues from both carboxyl termini and side chains of protein substrates. This deglutamyase activity may be important in antiviral immunity. Mutations in this gene are associated with retinitis pigmentosa. [provided by RefSeq, Jul 2016]
Transcript Variant: This variant (1) encodes the longer isoform (1).