

Product datasheet for MR216156L3

Agbl5 (NM_174849) Mouse Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Agbl5 (NM_174849) Mouse Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Agbl5

Synonyms: 9430057O19Rik; CCP5

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(MR216156).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_174849

ORF Size: 2157 bp



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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: <u>NM 174849.3</u>, <u>NP 777274.1</u>

 RefSeq Size:
 2922 bp

 RefSeq ORF:
 2160 bp

 Locus ID:
 231093

 UniProt ID:
 009M02

 Cytogenetics:
 5 B1

Gene Summary: Metallocarboxypeptidase that mediates protein deglutamylation. Specifically catalyzes the

deglutamylation of the branching point glutamate side chains generated by post-translational

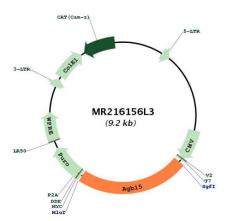
glutamylation in proteins such as tubulins (PubMed:20519502, PubMed:21074048). In

contrast, it is not able to act as a long-chain deglutamylase that shortens long polyglutamate chains, a process catalyzed by AGTPBP1/CCP1, AGBL2/CCP2, AGBL3/CCP3, AGBL1/CCP4 and AGBL4/CCP6 (PubMed:25103237). Mediates deglutamylation of CGAS, regulating the antiviral

activity of CGAS (PubMed:26829768).[UniProtKB/Swiss-Prot Function]



Product images:



Circular map for MR216156L3