

# **Product datasheet for MR219449L4**

#### OriGene Technologies, Inc.

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# Abat (NM\_001170978) Mouse Tagged Lenti ORF Clone

### **Product data:**

**Product Type:** Expression Plasmids

**Product Name:** Abat (NM\_001170978) Mouse Tagged Lenti ORF Clone

Tag: mGFP Symbol: Abat

**Synonyms:** 9630038C02Rik; Al255750; GABA; Gabaat; Gm9851; I54; Laibat; X61497

Mammalian Cell Puromycin

Selection:

**Vector:** pLenti-C-mGFP-P2A-Puro (PS100093)

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

ORF Nucleotide The ORF insert of this clone:

Sequence:

The ORF insert of this clone is exactly the same as(MR219449).

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 



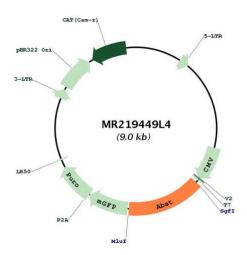


<sup>\*</sup> The last codon before the Stop codon of the ORF





#### Plasmid Map:



**ACCN:** NM\_001170978

ORF Size: 1332 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: <u>NM 001170978.1</u>, <u>NP 001164449.1</u>

RefSeq Size: 4485 bp RefSeq ORF: 1335 bp



## Abat (NM\_001170978) Mouse Tagged Lenti ORF Clone - MR219449L4

 Locus ID:
 268860

 UniProt ID:
 P61922

 Cytogenetics:
 16 A1

Gene Summary: The encoded gene product is responsible for catabolism of gamma-aminobutyric acid (GABA),

a mostly inhibitory neurotransmitter in the central nervous system, into succinic semialdehyde. Deficiency of this encoded protein includes psychomotor retardation, hypotonia, hyperreflexia, lethargy, refractory seizures, and EEG abnormalities. Alternative

splicing results in multiple transcript variants. [provided by RefSeq, Jan 2010]