

## **Product datasheet for MR218433L3**

# OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

### Dnase2a (NM\_010062) Mouse Tagged Lenti ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

Product Name: Dnase2a (NM\_010062) Mouse Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: Dnase2a
Synonyms: Dnase2
Mammalian Cell Puromycin

Selection:

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

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

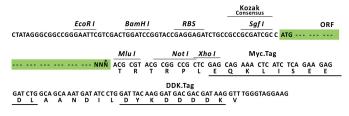
**ORF Nucleotide** The ORF insert of this clone is exactly the same as(MR218433).

Sequence:

Restriction Sites: Sgfl-Mlul

**Cloning Scheme:** 





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

**ACCN:** NM\_010062

ORF Size: 1059 bp





#### Dnase2a (NM\_010062) Mouse Tagged Lenti ORF Clone - MR218433L3

**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 010062.3</u>

RefSeq Size: 1643 bp
RefSeq ORF: 1062 bp
Locus ID: 13423
UniProt ID: P56542

Cytogenetics: 8 41.31 cM

**Gene Summary:** Hydrolyzes DNA under acidic conditions with a preference for double-stranded DNA. Plays a

major role in the degradation of nuclear DNA in cellular apoptosis during development.

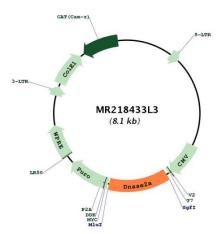
Necessary for proper fetal development and for definitive erythropoiesis in fetal liver, where it

degrades nuclear DNA expelled from erythroid precursor cells.[UniProtKB/Swiss-Prot

Function]



# **Product images:**



Circular map for MR218433L3