

Product datasheet for MR221860L3

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

Maml1 (NM_175334) Mouse Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Maml1 (NM 175334) Mouse Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: Maml1

Synonyms: Al644666; AW743257; D930008C07Rik; Mam-1; Mam1; mKIAA0200

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(MR221860).

Sgfl-Mlul

Sequence:

Restriction Sites: Cloning Scheme:





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

ACCN: NM_175334

ORF Size: 3060 bp





Maml1 (NM_175334) Mouse Tagged Lenti ORF Clone - MR221860L3

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 175334.3</u>, <u>NP 780543.2</u>

 RefSeq Size:
 5573 bp

 RefSeq ORF:
 3063 bp

 Locus ID:
 103806

 UniProt ID:
 Q6T264

 Cytogenetics:
 11 B1.3

Gene Summary: Acts as a transcriptional coactivator for NOTCH proteins. Has been shown to amplify NOTCH-

induced transcription of HES1. Enhances phosphorylation and proteolytic turnover of the

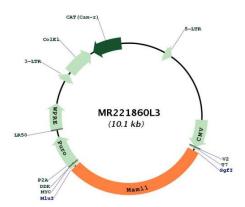
NOTCH intracellular domain in the nucleus through interaction with CDK8. Binds to CREBBP/CBP which promotes nucleosome acetylation at NOTCH enhancers and activates

transcription. Induces phosphorylation and localization of CREBBP to nuclear foci. Plays a role in hematopoietic development by regulating NOTCH-mediated lymphoid cell fate decisions.

[UniProtKB/Swiss-Prot Function]



Product images:



Circular map for MR221860L3