

Product datasheet for **MR221860L4V**

Maml1 (NM_175334) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Maml1 (NM_175334) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Maml1
Synonyms:	AI6444666; AW743257; D930008C07Rik; Mam-1; Mam1; mKIAA0200
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_175334
ORF Size:	3060 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR221860).
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.
RefSeq:	NM_175334.3 , NP_780543.2
RefSeq Size:	5573 bp
RefSeq ORF:	3063 bp
Locus ID:	103806
UniProt ID:	Q6T264
Cytogenetics:	11 B1.3



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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]