

Product datasheet for **MR200297L4V**

Dpy30 (NM_001146224) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Dpy30 (NM_001146224) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Dpy30
Synonyms:	2810410M20Rik; C87842
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001146224
ORF Size:	300 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR200297).
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_001146224.1 , NP_001139696.1
RefSeq Size:	710 bp
RefSeq ORF:	300 bp
Locus ID:	66310
UniProt ID:	Q99LT0
Cytogenetics:	17 E2



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Gene Summary:

As part of the MLL1/MLL complex, involved in the methylation of histone H3 at 'Lys-4', particularly trimethylation. Histone H3 'Lys-4' methylation represents a specific tag for epigenetic transcriptional activation. May play some role in histone H3 acetylation. In embryonic stem (ES) cells, plays a crucial role in the differentiation potential, particularly along the neural lineage, regulating gene induction and histone H3 'Lys-4' methylation at key developmental loci, including that mediated by retinoic acid. Does not affect ES cell self-renewal. May also play an indirect or direct role in endosomal transport.[UniProtKB/Swiss-Prot Function]