

Product datasheet for **MR207845L3V**

Pkmyt1 (NM_023058) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Pkmyt1 (NM_023058) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Pkmyt1
Synonyms:	6230424P17; AW209059; Myt1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_023058
ORF Size:	1473 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR207845).
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_023058.2 , NP_075545.2
RefSeq Size:	2039 bp
RefSeq ORF:	1473 bp
Locus ID:	268930
UniProt ID:	Q9ESG9
Cytogenetics:	17 A3.3



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Gene Summary:

Acts as a negative regulator of entry into mitosis (G2 to M transition) by phosphorylation of the CDK1 kinase specifically when CDK1 is complexed to cyclins. Mediates phosphorylation of CDK1 predominantly on 'Thr-14'. Also involved in Golgi fragmentation. May be involved in phosphorylation of CDK1 on 'Tyr-15' to a lesser degree, however tyrosine kinase activity is unclear and may be indirect. May be a downstream target of Notch signaling pathway during eye development (By similarity).[UniProtKB/Swiss-Prot Function]