Product datasheet for MR216767L4V

Mysm1 (NM_177239) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Mysm1 (NM_177239) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Mysm1
Synonyms:	C130067A03Rik; C530050H10Rik
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_177239
ORF Size:	2457 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR216767).
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_177239.2
RefSeq Size:	7420 bp
RefSeq ORF:	2460 bp
Locus ID:	320713
UniProt ID:	Q69Z66
Cytogenetics:	4 C5

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Gene Summary:

Metalloprotease that specifically deubiquitinates monoubiquitinated histone H2A, a specific tag for epigenetic transcriptional repression, thereby acting as a coactivator. Preferentially deubiquitinates monoubiquitinated H2A in hyperacetylated nucleosomes. Deubiquitination of histone H2A leads to facilitate the phosphorylation and dissociation of histone H1 from the nucleosome. Acts as a coactivator by participating in the initiation and elongation steps of androgen receptor (AR)-induced gene activation. Required for correct regulation of hematopoiesis and lymphocyte differentiation.[UniProtKB/Swiss-Prot Function]