

Product datasheet for **RC220811L4V**

MYSM1 (NM_001085487) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	MYSM1 (NM_001085487) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MYSM1
Synonyms:	2A-DUB; 2ADUB; BMFS4
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001085487
ORF Size:	2484 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC220811).
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_001085487.1
RefSeq Size:	2589 bp
RefSeq ORF:	2487 bp
Locus ID:	114803
UniProt ID:	Q5VVJ2
Cytogenetics:	1p32.1
Protein Families:	Protease
MW:	94.9 kDa



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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 (PubMed:28115216, PubMed:26220525). [UniProtKB/Swiss-Prot Function]