

Product datasheet for RC220811L2

OriGene Technologies, Inc.

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MYSM1 (NM_001085487) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: MYSM1 (NM_001085487) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: MYSM1

Synonyms: 2A-DUB; 2ADUB; BMFS4

Mammalian Cell None

Selection:

Vector: pLenti-C-mGFP (PS100071)

E. coli Selection: Chloramphenicol (34 ug/mL)

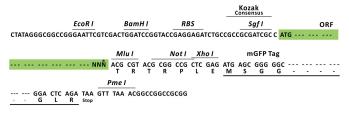
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC220811).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





st The last codon before the Stop codon of the ORF.

ACCN: NM_001085487

ORF Size: 2484 bp





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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.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

94.9 kDa

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>NM 001085487.1</u>

 RefSeq Size:
 2589 bp

 RefSeq ORF:
 2487 bp

 Locus ID:
 114803

 UniProt ID:
 Q5VVI2

 Cytogenetics:
 1p32.1

Protein Families: Protease

MW:

Gene Summary: Metalloprotease that specifically deubiquitinates monoubiquitinated histone H2A, a specific

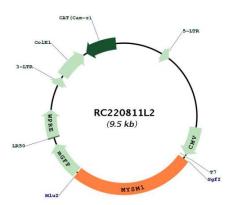
tag for epigenetic transcriptional repression, thereby acting as a coactivator. Preferentially deubiquitinates monoubiquitinated H2A in hyperacetylated nucleosomes. Deubiquitination of histone H2A leads to facilitate the phosphorylation and dissociation of histone H1 from the nucleosome. Acts as a coactivator 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]



Product images:



Circular map for RC220811L2