OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC221832

Mysm1 (NM_177239) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mysm1 (NM_177239) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mysm1
Synonyms:	C130067A03Rik; C530050H10Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>MC221832 representing NM_177239
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGGCGGAGGAGGCGGATGTGGATGTGGAAGGAGATGTTGCGGCGGCTGCACAGCCGGGAAATGATG
AAAGTACAGCATCAGTTTTTCAAGATCACTATCTTGATTCAACGTGGAGAAGGGAAAATGGCTGTCTTCC
TTGGACTCTGGATAGCACCATCAGTGATGAGAACAGAGCTATCATTGAGAAAATGCTGTTGGAAGAAGAG
TATTATTTATCTAATAAATCACTTCCAGGAAAATTCTGGGTTAATCAAAAGGAGGATAATAAAAAATACA
CAAACAGCCTGCAGAAGTCATCAAAAGCCATGGTAGATTCTCCTGCAAAACCAGCCAGTCATTCAGTAAA
GTGGACAGTAGAAGAGAAAGAGCTGTTTGAACAAGGACTGGCTAAATTTGGCCGAAGGTGGACCAAAATC
GCAACACTACTTAAAAGTCGCACAGTTTTACAAGTGAAGAGTTATGCCAGACAGTACTTTAAAAATAAGG
TAAAGTGGGATGTGGAAAAAGAAACACCAACTCAGAAGAGCAGCAGTGATCTTCAGGTTAAAAACAAAGA
TGACAGGACGAAGGCGTGGGCAGCAGCCTGTTTAAGGGGAAGTGCTGATCCCTGCCTGAATGCTGTAAAG
ATTGAGAAGTTATCTGACGATGAAGATGTAGATATCACAGATGAGCTGGATGAGTTGACTTCTCAAACAT
CACAGAATTCTGGCAGCCATCTTACTTTAGATGTTCCTAATAGTAAAATGTATACCACCAATCAAGGAGA
ATTATGCCAAGAAGGTCCATTAGCTAAATCTTCAGGAGAGTCTCTTCAGAATGTGAAGCAAGGTGAAGGA
GAAGCATGTTCAAGCTCAGAAATTGCATCATGGGCTGAAAAACAGAAAAGTACTGACAAAAACTCAGCCG
AATTAAATGAGAAATACAATAAAGTGGTGGAAGAACACACTCTACACAGAGGAGAAGTAAGAGAGGAAGC
CAAGCACTCGCCTTCTCCAGAGCCCTGTGAGAGGCAGGACTCAAGTGGAAATGAAATGCTTTTGCCTCCT
TGCCAAATTGAGGAGGAAAACCATGAAGGAGAAGAGCTTAAGCCACCAGAACAAGAAGTTGAAATAGATA
GAAATGTCATTCAAGAAGAAGAAAAGCAAGCGATTCCTGAGTTTTTTGAGGGGCGCCAAACTAAAACACC
AGAACGCTATTTGAAAATTAGAAACTACATTTTGGATCAGTGGGAAATATGCAAACCGAAATACTTAAAT
AAGACCTCAGTACGTCCTGGCCTGAAGAACTGTGGGGATGTTAATTGTATTGGACGGATTCATACATACC
TCGAGTTGATAGGAGCAATCAATTTTGGATGTGAGCAGGCAGTATATAACAGGCCACAACCACTTGATAA
AGTACGAGCGGCCGACAGAAAGGATGCAGAAGCAGCATACCAGCTTGCCTGGCGCCTGCAGTCTATGCGA
ACGAGGAGACGCAGGGTCCGAGATCCATGGGGAAACTGGTGTGATGCAAAAGACTTAGAAGGACAAACAT
TTGAGCATTTGTCTGTGGAGGAGATGGCAAGAAGAAAAGAAGAGGAAAAGTGCAAACCTATTAAATTTTC
GAAAGCTTCAAAACTTCCAAAAAGCTCACTTGATCCTTTCCAACTGATACCTTGTAATTTTTTCAGTGAA
GAAAAGCAGGAGCCATTTCAGGTGAAAGTAGCTGCAGAAGCACTTTTAATAATGAATTTGCACGCCCACG
TGTCTATGGCAGAGGTGATTGGGCTTCTAGGAGGAAGATACTCAGAAGCTGATAAGGTCCTTGAAGTCTG
TGCAGCAGAACCATGTAACAGTCTGAGTACAGGACTTCAGTGTGAGATGGATCCTGTATCACAGACACAG
GCCTCAGAAACCTTGGCTCTTAGAGGCTACAGTGTCATTGGGTGGTACCATTCTCATCCTGCATTTGATC
CTAATCCATCTTTACGAGATATTGACACACAAGCCAAATACCAGAGTTACTTCTCCAGAGGAGGAGCAAA
ATTCATTGGAATGATTGTTAGTCCATATAATCGAAGTAATCCTTTACCATATTCCCAGATAACCTGCTTG
GTTATAAGTGAAGAAGTTAGCCCTGATGGTACCTACCGTTTACCTTACAAATTTGAAGTACAACAGATGT
TAGAAGAACCTCAGTGGGAATTAGTGTTTGAAAAGACAAGATGGATAATCGAAAAATACAGGCTTTCTAA
TAGCAGCGTCCCCATGGATAGAATCTTTCGCCGGGATTCCGACCTAACTTGTCTGCAGAAACTTTTGGAG
TGTCTAAGGAAAACACTGAGCAAAGTAGCCAATTGCTTCATCGCTGAGGAGTTCTTGACTCAAATAGAAA
ATCTGTTCCTTTCCAATTACAAAAGCAAGGAAGAGAATGGACTGGCAGAAGAGGATAGTACAAAGGAATT
GTTCATGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_177239

Insert Size: 2460 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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. 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:	NM_177239.2, NP_796213.2
RefSeq Size:	7420 bp
RefSeq ORF:	2460 bp
Locus ID:	320713
UniProt ID:	Q69Z66
Cytogenetics:	4 C5
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]