Recombinant Mouse Mysm1 Protein, Myc/DDK-tagged

Cat. No. Mysm1-4263M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length myb-like, SWIRM and MPN domains 1 (Mysm1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	93.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration	>50 μg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Mysm1 myb-like, SWIRM and MPN domains 1 [Mus musculus (house mouse)]
Official Symbol	Mysm1
Synonyms	MYSM1; myb-like, SWIRM and MPN domains 1; histone H2A deubiquitinase MYSM1; 2A-DUB; myb-like, SWIRM and MPN domain-containing protein 1; C130067A03Rik; C530050H10Rik; RP23-135A21.2
Gene ID	320713
mRNA Refseq	NM_177239
Protein Refseq	NP_796213
UniProt ID	Q69Z66

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