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MATERIAL DATA SHEET

Recombinant Human MYSM1
Cat. # E-598

Histone H2A deubiquitinase MYSM1 is a specialized metalloprotease with a predicted molecular weight of 95 kDa. MYSM1 is a member of the peptidase M67A family and the human protein shares 79% amino acid sequence identity with its mouse ortholog. MYSM1 has been reported to function within a large chromatin remodeling complex, containing itself, PCAF, RBM10, TRIP5, and possibly other proteins. Biologically speaking, MYSM1 plays roles in hematopoiesis and lymphocyte differentiation, stem cell maintenance, and innate immunity.

Product Information	
Quantity:	50 µg
MW:	95 kDa
Source:	*Spodoptera frugiperda*, *Sf* 21 (baculovirus)-derived Accession # Q5VVJ2
Stock:	X mg/ml (X µM) in 50 mM HEPES pH 7.5, 100 mM NaCl, 10% (v/v) Glycerol, 2 mM TCEP
Purity:	>90%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain.

Use & Storage	
Use:	Reaction conditions will need to be optimized for each specific application. We recommend an initial recombinant human MYSM1 concentration of 20-100 nM when using Ubiquitin-AMC or Ubiquitin-Rh110 substrates (**U-550**, **U-555**)
Storage:	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** • 12 months from date of receipt, -70 °C as supplied. • 3 months, -70 °C under sterile conditions after opening.

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Literature

References:

1. Belle J.I., et al. (2016) Cell Death Differ. 2016 doi: 10.1038/cdd.2015.140.
2. Le Guen T., et al. (2015) J Allergy Clin. Immunol. **136**: 1619
3. Panda S, Nilsson J.A., Gekara N.O. (2015) Immunity **43**: 647
4. Zhu P., et al. (2007) Mol. Cell **27**: 609

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