

MATERIAL DATA SHEET**MYSM1, human recombinant****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. MYSM1 plays roles in hematopoiesis and lymphocyte differentiation, stem cell maintenance, and innate immunity.

Product Information

Quantity:	50 µg
Stock:	X mg/ml (X µM) in 50 mM HEPES pH 7.5, 100 mM NaCl, 10% (v/v) Glycerol, 2 mM TCEP
MW:	95 kDa
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:	Store at -80°C. Avoid multiple freeze/thaw cycles.

Literature

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

For Laboratory Research Use Only, Not For Use in Humans

Rev: 2/01/2016

840 Memorial Drive, Cambridge, MA 02139 Phone: 617-576-2210 FAX: 617-492-3565
www.bostonbiochem.com

The contents of this datasheet (unless otherwise noted) are Copyright © 2008 Boston Biochem, Inc. All rights reserved. Duplication in whole or in part is strictly prohibited without the express written consent of Boston Biochem, Inc. "Boston Biochem" is a Trademark of Boston Biochem, Inc., 840 Memorial Drive, Cambridge, MA 02139