# BLM hydrolase (m3): 293T Lysate: sc-125059



The Power to Question

#### **BACKGROUND**

BLM hydrolase (bleomycin hydrolase, BMH) is a 455 amino acid protein encoded by the human gene BLMH. BLM hydrolase belongs to the cysteine protease papain superfamily and the peptidase C1 family. It is a cytoplasmic cysteine peptidase commonly found as a homohexamer. It is highly conserved through evolution, however, the only known activity of the enzyme is metabolic inactivation of the glycopeptide bleomycin (BLM). BLM is an essential component of combination chemotherapy regimens for cancer.

### **REFERENCES**

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## CHROMOSOMAL LOCATION

Genetic locus: Blmh (mouse) mapping to 11 B5.

## **PRODUCT**

BLM hydrolase (m3): 293T Lysate represents a lysate of mouse BLM hydrolase transfected 293T cells and is provided as 100  $\mu$ g protein in 200  $\mu$ l SDS-PAGE buffer.

# **STORAGE**

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

### **PROTOCOLS**

See our web site at www.scbt.com for detailed protocols and support products.

#### **APPLICATIONS**

BLM hydrolase (m3): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive BLM hydrolase antibodies. Recommended use:  $10\text{-}20~\mu l$  per lane.

Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

# **RESEARCH USE**

For research use only, not for use in diagnostic procedures.

Santa Cruz Biotechnology, Inc. 1.800.457.3801 831.457.3801 fax 831.457.3801 Europe +00800 4573 8000 49 6221 4503 0 www.scbt.com