# cathepsin S (m): 293T Lysate: sc-119040



The Power to Question

#### **BACKGROUND**

The cathepsin family of proteolytic enzymes contains several diverse classes of proteases. The cysteine protease class comprises cathepsins B, L, H, K, S and O. The aspartyl protease class is composed of cathepsins D and E. Cathepsin G is in the serine protease class. Most cathepsins are lysosomal and each is involved in cellular metabolism, participating in various events such as peptide biosynthesis and protein degradation. Cathepsin S has been shown to be an elastinolytic cysteine proteinase present in alveolar macrophages.

#### **REFERENCES**

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# **CHROMOSOMAL LOCATION**

Genetic locus: Ctss (mouse) mapping to 3 F2.1.

## **PRODUCT**

cathepsin S (m): 293T Lysate represents a lysate of mouse cathepsin S transfected 293T cells and is provided as 100 µg protein in 200 µl 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.

#### **APPLICATIONS**

cathepsin S (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive cathepsin S antibodies. Recommended use: 10-20  $\mu$ 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.

## **PROTOCOLS**

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

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