# SREC (h): 293T Lysate: sc-115472



The Power to Question

#### **BACKGROUND**

Scavenger receptors mediate the endocytosis and degradation of chemically modified low density lipoproteins (LDL), such as acetylated LDL (Ac-LDL) and oxidized LDL (Ox-LDL). The scavenger receptor expressed by endothelial cells (SREC) primarily binds Ac-LDL and aids in its degradation. However, it has been shown to bind other ligands such as Ox-LDL, which suggests that SREC has a binding specificity similar to the type I and II macrophage scavenger receptors. SREC is expressed in HUVEC, CAE, and CASM cell lines. It is characterized by an extra-cellular amino-terminal domain with five epidermal growth factor-like cysteine pattern signatures and an unusually long cytoplasmic carboxy-terminal domain. SREC is thought to be involved in the development of atherosclerosis as it mediates the recruitment, activation, and transformation of macrophages after endothelial cell injury.

## **REFERENCES**

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## **CHROMOSOMAL LOCATION**

Genetic locus: SCARF1 (human) mapping to 17p13.3.

# **PRODUCT**

SREC (h): 293T Lysate represents a lysate of human SREC transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

## **APPLICATIONS**

SREC (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive SREC 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.

#### **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.

## **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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