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SRCRB4D (h2): 293T Lysate: sc-369431

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). SRCRB4D (scavenger receptor cysteine rich domain containing, group B (4 domains)), also known as S4D-SRCRB or SRCRB-S4D, is a 575 amino acid member of the SRCR (scavenger receptor cysteine-rich) superfamily. Members of this superfamily are secreted or cell surface membrane-bound proteins with highly conserved SRCR domains and may play a role in the development and regulation of the immune system and its innate and adaptive responses. SRCRB4D is a widely expressed secreted protein that contains four SRCR domains. SRCRB4D specifically belongs to group B of the SRCR superfamily. Members of group B contain eight evenly spaced cysteines within their SRCR domains that create an intradomain disulfide-bond pattern.

REFERENCES

1. Resnick, D., Pearson, A. and Krieger, M. 1994. The SRCR superfamily: a family reminiscent of the Ig superfamily. *Trends Biochem. Sci.* 19: 5-8.
2. Hohenester, E., Sasaki, T. and Timpl, R. 1999. Crystal structure of a scavenger receptor cysteine-rich domain sheds light on an ancient superfamily. *Nat. Struct. Biol.* 6: 228-232.
3. Pancer, Z. 2000. Dynamic expression of multiple scavenger receptor cysteine-rich genes in coelomocytes of the purple sea urchin. *Proc. Natl. Acad. Sci. USA* 97: 13156-13161.
4. Padilla, O., Pujana, M.A., López-de la Iglesia, A., Gimferrer, I., Arman, M., Vilà, J.M., Places, L., Vives, J., Estivill, X. and Lozano, F. 2002. Cloning of S4D-SRCRB, a new soluble member of the group B scavenger receptor cysteine-rich family (SRCR-SF) mapping to human chromosome 7q11.23. *Immunogenetics* 54: 621-634.
5. Online Mendelian Inheritance in Man, OMIM™. 2002. Johns Hopkins University, Baltimore, MD. MIM Number: 607639. World Wide Web URL: <http://www.ncbi.nlm.nih.gov/omim/>
6. Sarrias, M.R., Gronlund, J., Padilla, O., Madsen, J., Holmskov, U. and Lozano, F. 2004. The Scavenger Receptor Cysteine-Rich (SRCR) domain: an ancient and highly conserved protein module of the innate immune system. *Crit. Rev. Immunol.* 24: 1-37.
7. Ligtenberg, A.J., Veerman, E.C., Nieuw Amerongen, A.V. and Mollenhauer, J. 2007. Salivary agglutinin/glycoprotein-340/DMBT1: a single molecule with variable composition and with different functions in infection, inflammation and cancer. *Biol. Chem.* 388: 1275-1289.
8. Rodamilans, B., Munoz, I.G., Bragado-Nilsson, E., Sarrias, M.R., Padilla, O., Blanco, F.J., Lozano, F. and Montoya, G. 2007. Crystal structure of the third extracellular domain of CD5 reveals the fold of a group B scavenger cysteine-rich receptor domain. *J. Biol. Chem.* 282: 12669-12677.

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.

CHROMOSOMAL LOCATION

Genetic locus: SRCRB4D (human) mapping to 7q11.23.

PRODUCT

SRCRB4D (h2): 293T Lysate represents a lysate of human SRCRB4D transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

SRCRB4D (h2): 293T Lysate is suitable as a Western Blotting positive control for human reactive SRCRB4D antibodies. Recommended use: 10-20 µl 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.