

Myosin Vc (h): 293T Lysate: sc-117279

BACKGROUND

Class V unconventional Myosins, which include Myosin Va, Myosin Vb and Myosin Vc are nonfilamentous, Actin-binding enzymes that appear to be expressed ubiquitously. Myosin V proteins are regulated by their heavy chain phosphorylation, which occurs at the C-terminal tail domain. Myosin Vc, also known as MYO5C, is a 1,742 amino acid protein that is chiefly expressed in non-neuronal tissues. Abundantly expressed in epithelial and glandular tissues including pancreas, prostate, mammary, stomach, colon and lung, Myosin Vc may be involved in transferrin trafficking and is likely to power actin-based membrane trafficking in many physiologically crucial tissues. Myosin Vc is also thought to participate in apical exocytosis of secretory vesicles. Containing one dilute domain, six IQ domains and a myosin head-like domain, Myosin Vc associates with Rab 8.

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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: MYO5C (human) mapping to 15q21.2.

PRODUCT

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

APPLICATIONS

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