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SCYL2 (m): 293T Lysate: sc-123395

BACKGROUND

SCYL2 (SCY1-like 2), also known as CVAK104 (Coated vesicle-associated kinase of 104 kDa), is a 929 amino acid protein that contains one HEAT repeat and one protein kinase domain. Localized to a variety of locations within the cell, including the perinuclear region of the cytoplasm, the *trans*-golgi network membrane and clathrin-coated vesicles, SCYL2 exists as a component of AP-2-containing Clathrin coated structures. SCYL2 is thought to function as a Ser/Thr protein kinase, exhibiting kinase activity towards adaptor complex proteins, possibly regulating Clathrin-dependent trafficking events between the Golgi network and endosomes. Additionally, SCYL2 may play a role in the sorting of SNARE proteins and, ultimately, in embryonic development.

REFERENCES

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6. Borner, G.H., Rana, A.A., Forster, R., Harbour, M., Smith, J.C. and Robinson, M.S. 2007. CVAK104 is a novel regulator of Clathrin-mediated SNARE sorting. *Traffic* 8: 893-903.

CHROMOSOMAL LOCATION

Genetic locus: *Scyl2* (mouse) mapping to 10 C2.

PRODUCT

SCYL2 (m): 293T Lysate represents a lysate of mouse SCYL2 transfected 293T cells and is provided as 100 μ g protein in 200 μ 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

SCYL2 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive SCYL2 antibodies. Recommended use: 10-20 μ 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.