



SEC23A (m): 293T Lysate: sc-123421

BACKGROUND

COPII-coated vesicles form on the endoplasmic reticulum by the stepwise recruitment of three cytosolic components: Sar1-GTP to initiate coat formation, SEC23/24 heterodimer to select SNARE and cargo molecules and SEC13/31 to induce coat polymerization and membrane deformation. SEC23A is the functional human counterpart of the yeast COPII component SEC23p, which suggests that it plays a similar role in mammalian protein export from the ER. Both SEC23 isoforms (SEC23A and SEC23B) have a molecular mass of 85 kDa. Mouse SEC23 is most abundant in brain and fibroblasts.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: Sec23a (mouse) mapping to 12 C1.

PRODUCT

SEC23A (m): 293T Lysate represents a lysate of mouse SEC23A transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

SEC23A (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive SEC23A 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.

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.