



LSM6 (h): 293 Lysate: sc-111906

BACKGROUND

Sm and Sm-like (LSm) proteins form donut-shaped, ubiquitously expressed heptameric complexes that are involved in various steps of RNA metabolism, including RNA-protein interactions and structural changes that are required during ribosomal subunit assembly. LSM6 is an 80 amino acid protein that localizes to both the nucleus and the cytoplasm and belongs to the LSm sub-family of snRNP Sm proteins. Functioning as a component of the heptameric LSm1-LSm7 complex, LSM6 is involved in mRNA degradation, specifically by activating the decapping step in the 5'-to-3' mRNA decay pathway. Additionally, LSM6 plays a role in facilitating the association of RNA processing factors with their substrates and may also be involved in the processing of tRNAs.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: LSM6 (human) mapping to 4q31.22.

PRODUCT

LSM6 (h): 293 Lysate represents a lysate of human LSM6 transfected 293 cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

LSM6 (h): 293 Lysate is suitable as a Western Blotting positive control for human reactive LSM6 antibodies. Recommended use: 10-20 µl per lane.

Control 293 Lysate: sc-110760 is available as a Western Blotting negative control lysate derived from non-transfected 293 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.