Gemin4 (m): 293T Lysate: sc-125378



The Power to Question

BACKGROUND

Gemin4 is a component of the SMN core complex which, while in the cytoplasm, plays an essential role in ribonucleoprotein (snRNP) assembly, including the biogenesis, delivery and recycling of snRNPs to the spliceosome. In the nucleus, where SMN is required for pre-mRNA splicing, Gemin4 concentrates next to coiled bodies in subnuclear structures called gems that are highly enriched in splicosomal snRNPs and in the nucleolus. Deletion or loss-of-function mutations in the SMN lead to the neurodegenerative disease spinal muscular atrophy (SMA). Gemin4 maps to the 17p13 gene.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: Gemin4 (mouse) mapping to 11 B5.

PRODUCT

Gemin4 (m): 293T Lysate represents a lysate of mouse Gemin4 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

Gemin4 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive Gemin4 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.

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.

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