



TRMT6 (h): 293 Lysate: sc-110639

BACKGROUND

Transfer RNA (tRNA) modifications help regulate the efficiency of mRNA translation by maintaining the correct reading frames within mRNA. TRMT6 (tRNA methyltransferase 6), also known as GCD10 or TRM6, is a 497 amino acid protein that localizes to the nucleus and exists as a heterodimer with TRM61. Expressed in liver, brain, ovary and testis, TRMT6 functions as a substrate-binding subunit of tRNA and is thought to catalyze the formation of N¹-methyladenine at position 58 in initiator methionyl-tRNA. TRMT6 exists as three alternatively spliced isoforms that, in response to DNA damage, may be phosphorylated by ATM or ATR. The gene encoding TRMT6 maps to human chromosome 20, which houses over 600 genes and comprises nearly 2% of the human genome.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: TRMT6 (human) mapping to 20p12.3.

PRODUCT

TRMT6 (h): 293 Lysate represents a lysate of human TRMT6 transfected 293 cells and is provided as 100 µg protein in 200 µl 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.

APPLICATIONS

TRMT6 (h): 293 Lysate is suitable as a Western Blotting positive control for human reactive TRMT6 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.

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.