

HTF9C (h): 293T Lysate: sc-111679

BACKGROUND

HTF9C (hpaII tiny fragments locus 9c protein) is also known as TRMT2A (tRNA (uracil-5-)-methyltransferase homolog A) and is a 625 amino acid protein that is expressed as two isoforms. In mice, HTF9C is transcribed by a bidirectional promoter along with Ran BP-1 and the transcription of both genes is regulated during the cell cycle. During the S phase, the genes of HTF9C and Ran BP-1 are quickly transcribed into mRNA which is produced the most during this phase and mRNA production decreases during mitosis. The bidirectional promoter is down-regulated in growth-arrested cells and is activated during the G₁/S transition. This co-regulation of the HTF9C and Ran BP-1 genes is an evolutionarily conserved trait present in many species that possess two proteins that may have related functions. The genes of both HTF9C and Ran BP-1 are expressed in human cells and are highly conserved among species. The human HTF9C gene is thought to be associated with a deficit in sustained attention observed among patients with schizophrenia.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: TRMT2A (human) mapping to 22q11.21.

PRODUCT

HTF9C (h): 293T Lysate represents a lysate of human HTF9C transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

HTF9C (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive HTF9C 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.