

DONSON (m): 293T Lysate: sc-119824

BACKGROUND

The smallest of the human chromosomes, 21 makes up about 1.5% of the human genome. Chromosome 21 contains nearly 300 genes and 47 million base pairs. Down syndrome, also known as trisomy 21, is the disease most commonly associated with chromosome 21. The gene encoding DONSON (downstream neighbor of SON) is located on the long arm of chromosome 21 within 65 base pairs of the 3' end of the SON gene, which encodes a nuclear protein that represses Hep B virus promoter activity and transcription of HBV genes. DONSON is a 566 amino acid nuclear protein that has the ability to be phosphorylated and is possibly required for DNA amplification in the ovary. Also, it is probable that DONSON is needed for cell proliferation during development. There are three isoforms of DONSON which exist as a result of alternative splicing events.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: Donson (mouse) mapping to 16 C3.3.

PRODUCT

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

RESEARCH USE

For research use only, not for use in diagnostic procedures.

APPLICATIONS

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

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.