



SDE2 (m): 293T Lysate: sc-118752

BACKGROUND

Telomeres are DNA-protein structures that protect the ends of linear chromosomes and help maintain genomic stability and cell phenotype. Telomere maintenance involves the cooperation of several telomeric factors, including telomerase. Protein SDE2 of *Schizosaccharomyces pombe* is a nuclear protein that is suggested to be critical for telomeric silencing and genomic stability by interacting with telomere regulators. SDE2 (SDE2 telomere maintenance homolog (*S. pombe*)), also known as C1orf55 or dJ671D7.1, is a 451 amino acid coil-coil domain containing protein that belongs to the SDE2 family and exists as 3 alternatively spliced isoforms. SDE2 is encoded by a gene that is located on human chromosome 1q42.12. Human chromosome 1 is the largest chromosome and spans about 260 million base pairs and makes up 8% of the human genome. There are about 3,000 genes on chromosome 1, and considering the great number of genes there are also a large number of diseases associated with chromosome 1.

REFERENCES

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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.

CHROMOSOMAL LOCATION

Genetic locus: Sde2 (mouse) mapping to 1 H4.

PRODUCT

SDE2 (m): 293T Lysate represents a lysate of mouse SDE2 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

SDE2 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive SDE2 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.

RESEARCH USE

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