SANTA CRUZ BIOTECHNOLOGY, INC.

Tim21L (h): 293T Lysate: sc-174552

BACKGROUND

The majority of mitochondrial-directed proteins are encoded by the nuclear genome and are transported to the mitochondria via regulated processes involving the mitochondrial Tom and Tim proteins. The mitochondrial Tim protein family is comprised of a large group of evolutionarily conserved proteins that are found in most eukaryotes and are thought to play a role in health and development. Tim21L (Tim21-like protein, mitochondrial), also known as C18orf55, is a 248 amino acid single-pass membrane protein that is thought to play a role in the transport of transit peptide-containing proteins across the inner mitochondrial membrane. The gene encoding Tim21L maps to human chromosome 18q22.3, which houses over 300 protein-coding genes and contains nearly 76 million bases. There are a variety of diseases associated with defects in chromosome 18-localized genes, some of which include Trisomy 18 (also known as Edwards syndrome), Niemann-Pick disease, hereditary hemorrhagic telangiectasia, erythropoietic protoporphyria and follicular lymphomas.

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CHROMOSOMAL LOCATION

Genetic locus: TIMM21 (human) mapping to 18q22.3.

PRODUCT

Tim21L (h): 293T Lysate represents a lysate of human Tim21L transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

Tim21L (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive Tim21L 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.