



SUCLG1 (m): 293T Lysate: sc-123831

BACKGROUND

SUCLG1, also known as G-ALPHA or SCS- α , is a 346 amino acid protein belonging to the succinate/malate CoA ligase α subunit family. Localized to the mitochondrion, SUCLG1 forms a heterodimer with SUCLA2. SUCLG1 is active in the tricarboxylic acid cycle of carbohydrate metabolism by catalyzing the reaction of GTP, succinate and CoA to form GDP, a phosphate and succinyl-CoA. Defects in SUCLG1 are a cause of fatal infantile lactic acidosis. Fatal infantile lactic acidosis caused by defects in SUCLG1 has been found to be very severe with onset of lactic acidosis within the first day of life and a early death.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: Suc1g1 (mouse) mapping to 6 C1.

PRODUCT

SUCLG1 (m): 293T Lysate represents a lysate of mouse SUCLG1 transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

APPLICATIONS

SUCLG1 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive SUCLG1 antibodies. Recommended use: 10-20 μ l 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.