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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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SPTLC2 (m): 293T Lysate: sc-123764

BACKGROUND

SPTLC1 (serine palmitoyltransferase 1, also known as LCB1) and SPTLC2 (serine palmitoyltransferase 2, LCB2) together catalyze sphingolipid biosynthesis by converting L-serine and palmitoyl-CoA to 3-oxosphinganine, utilizing pyridoxal 5'-phosphate as a cofactor. Increases in transepidermal water loss trigger upregulation of serine palmitoyltransferase mRNA expression in humans. Deficiencies in wildtype SPTLC1 and SPTLC2 can lead to hereditary sensory neuropathy, atopic eczema and psoriasis.

REFERENCES

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3. Stachowitz, S., Alessandrini, F., Abeck, D., Ring, J. and Behrendt, H. 2002. Permeability barrier disruption increases the level of serine palmitoyltransferase in human epidermis. *J. Invest. Dermatol.* 119: 1048-1052.
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5. Carton, J.M., Uhlinger, D.J., Batheja, A.D., Derian, C., Ho, G., Argentieri, D. and D'Andrea, M.R. 2003. Enhanced serine palmitoyltransferase expression in proliferating fibroblasts, transformed cell lines, and human tumors. *J. Histochem. Cytochem.* 51: 715-726.
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CHROMOSOMAL LOCATION

Genetic locus: Sptlc2 (mouse) mapping to 12 D2.

PRODUCT

SPTLC2 (m): 293T Lysate represents a lysate of mouse SPTLC2 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

SPTLC2 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive SPTLC2 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.