SANTA CRUZ BIOTECHNOLOGY, INC.

Dermcidin (h): 293T Lysate: sc-370789

BACKGROUND

Antimicrobial peptides participate in the innate response, which may provide a barrier for protection against infection. The Dermcidin gene encodes an antimicrobial peptide DCD-1, which is constitutively expressed in sweat glands, secreted into the sweat, and transported to the epidermal surface. DCD-1 displays antimicrobial activity in response to a variety of pathogenic microorganisms. Overexpression of Dermcidin in breast cancers promotes cell growth and survival, and is coupled with a focal copy number gain of its locus on human chromosome 12q13.2.

REFERENCES

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8. Rieg, S., et al. 2005. Deficiency of Dermcidin-derived antimicrobial peptides in sweat of patients with atopic dermatitis correlates with an impaired innate defense of human skin *in vivo*. J. Immunol. 174: 8003-8010.
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CHROMOSOMAL LOCATION

Genetic locus: DCD (human) mapping to 12q13.2.

PRODUCT

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

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.

APPLICATIONS

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

PROTOCOLS

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