

Dermcidin (20-110): sc-4986 WB

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.

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STORAGE

Store at -20° C; stable for one year from the date of shipment.

CHROMOSOMAL LOCATION

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

SOURCE

Dermcidin (20-110) is expressed in *E. coli* as a 37 kDa tagged fusion protein corresponding to amino acids 20-110 of Dermcidin of human origin.

PRODUCT

Dermcidin (20-110) is purified from bacterial lysates (>98%) by glutathione agarose affinity chromatography; supplied as 10 µg in 0.1 ml SDS-PAGE loading buffer.

APPLICATIONS

Dermcidin (20-110) is suitable as a Western blotting control for sc-32926.

RESEARCH USE

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

PROTOCOLS

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