

Dermaseptin
Synthetic Peptide
Catalog # SP2153b**Specification**

Dermaseptin - Product InformationPrimary Accession
Sequence[P24302](#)
NH2-ALWKTMLKKLGTMALHAGKAALGAAADT
ISQGTQ-COOH**Dermaseptin - Additional Information****Other Names**

Dermaseptin-1, DS I, Dermaseptin-S1, DS1, DMS1

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Dermaseptin - Protein Information**Name** DRS1**Function**

Antimicrobial activity with potent activity against Gram- positive and Gram-negative bacteria, fungi and protozoa (PubMed: [1909573](http://www.uniprot.org/citations/1909573), PubMed: [8306981](http://www.uniprot.org/citations/8306981), PubMed: [8294443](http://www.uniprot.org/citations/8294443)). Also stimulates the microbicidal activity of polymorphonuclear leukocytes (PubMed: [9647785](http://www.uniprot.org/citations/9647785)). Probably acts by disturbing membrane functions with its amphipathic structure (PubMed: [8306981](http://www.uniprot.org/citations/8306981)). Does not show cytotoxicity on lymphocytes or KB cells (PubMed: [8294443](http://www.uniprot.org/citations/8294443)). Does not show hemolytic activity (PubMed: [1909573](http://www.uniprot.org/citations/1909573), PubMed: [8294443](http://www.uniprot.org/citations/8294443), PubMed: [21262294](http://www.uniprot.org/citations/21262294)). In vitro, shows spermicidal, antiviral, and anti-leishmanial activities (PubMed: [16307969](http://www.uniprot.org/citations/16307969), PubMed: [16140737](http://www.uniprot.org/citations/16140737), PubMed: [21262294](http://www.uniprot.org/citations/21262294)).

Cellular Location

Secreted

Tissue Location

Expressed by the skin glands.

Dermaseptin - Images