

Rev03  
Update: Feb,10,2022

## DATASHEET

# Dermaseptin

Cat. No.: RP11228

## Overview

<b>Description</b>	Dermaseptins are antimicrobial peptides, strings of amino acids, or proteins, of various sizes and shapes. Dermaseptins were isolated from frog skin. Dermaseptin is a crucial part of the frog's immune system, inhibiting the growth of bacteria, protozoa and fungi. Dermaseptins are cationic (positively charged) and 27-34 residues in length. Dermaseptins adopt a largely K-helical conformation when binding to membranes. Like other antimicrobial peptides, dermaseptin is membrane-perturbing; however, unlike other antimicrobial peptides, dermaseptin rests on the surface of the bacterial membrane and does not insert.
<b>Cas No</b>	136212-91-4
<b>Sequence</b>	{ALA}{LEU}{TRP}{LYS}{THR}{MET}{LEU}{LYS} {LYS}{LEU}{GLY}{THR}{MET}{ALA}{LEU}{HIS} {ALA}{GLY}{LYS}{ALA}{ALA}{LEU}{GLY}{ALA} {ALA}{ALA}{ASP}{THR}{ILE}{SER}{GLN}{GLY} {THR}{GLN}
<b>Sequence Shortening</b>	ALWKTMLKKLGTMALHAGKAALGAAADTISQGTQ
<b>Molecular Formula</b>	C <sub>152</sub> H <sub>257</sub> N <sub>43</sub> O <sub>44</sub> S <sub>2</sub>
<b>Molecular Weight</b>	3455.1

## Properties

<b>Purity</b>	> 95%
<b>Form</b>	Lyophilized
<b>Storage</b>	Store at -20°C. Keep tightly closed. Store in a cool dry place.
<b>Note</b>	Highly potent antimicrobial activity against pathogenic fungi.