



## Product Data Sheet

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<b>Product Name:</b>	SMAP 29, Sheep Myeloid Antimicrobial Peptide 29	
<b>Catalog Number:</b>	AS-61308 (1 mg)	<b>Lot Number:</b> See label on vial
<b>Sequence:</b>	H-Arg-Gly-Leu-Arg-Arg-Leu-Gly-Arg-Lys-Ile-Ala-His-Gly-Val-Lys-Lys-Tyr-Gly-Pro-Thr-Val-Leu-Arg-Ile-Ile-Arg-Ile-Ala-Gly-OH (3-letter code) RGLRRLGRKIAHGVKKYGPTVLRRIIRIAG (1-letter code)	
<b>Molecular Weight:</b>	3256.0	
<b>Peptide Purity:</b>	>95%	
<b>Appearance:</b>	Lyophilized white powder	

**Peptide Reconstitution:** SMAP 29 is freely soluble in water.

**Storage:** SMAP 29 is shipped at ambient temperature. Upon receipt, store lyophilized peptide at  $-20^{\circ}\text{C}$  or lower. Reconstituted peptide can be aliquoted and stored at  $-20^{\circ}\text{C}$  or lower.

**Description:** This 29 amino acid sheep myeloid antimicrobial peptide 29 (SMAP 29) displays extremely high antimicrobial activity against *Pseudomonas* strains, other gram-negative bacteria, and multidrug-resistant pathogens. SMAP 29 is a broad-spectrum antibiotic cathelicidin, it is active in both low- and high-ionic-strength conditions, and induces significant morphological alterations in bacterial surfaces. Saiman, L. et al. *Antimicrob. Ag. Chemother.* **45**, 2838 (2001).

### Related Products:

<b>Name</b>	<b>Cat #</b>	<b>Size</b>
CAP-18, rabbit GLRKRLRKFNRNIIKEKLLKIGQKIQGLLPKLAPRTDY	AS-61307	0.5 mg

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