

Bovine neutrophil beta-defensin 12

Cat. No.:	HY-P5603
CAS No.:	455257-02-0
Molecular Formula:	C ₁₇₄ H ₂₈₁ N ₅₇ O ₄₄ S ₇
Molecular Weight:	4099.9
Sequence:	Gly-Pro-Leu-Ser-Cys-Gly-Arg-Asn-Gly-Gly-Val-Cys-Ile-Pro-Ile-Arg-Cys-Pro-Val-Pro-Met-Arg-Gln-Ile-Gly-Thr-Cys-Phe-Gly-Arg-Pro-Val-Lys-Cys-Cys-Arg-Ser-Trp (Disulfide bridge: Cys5-Cys34; Cys12-Cys27; Cys17-Cys35)
Sequence Shortening:	GPLSCGRNGGVCIPRCPVPMRQIGTCFGRPVKCCRSW (Disulfide bridge: Cys5-Cys34; Cys12-Cys27; Cys17-Cys35)
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

Bovine neutrophil beta-defensin 12 is an antimicrobial peptide derived from bovine neutrophils, which has antibacterial activity against *Escherichia coli* and *Staphylococcus aureus*^[1].

REFERENCES

[1]. Zimmermann GR, et al. Solution structure of bovine neutrophil beta-defensin-12: the peptide fold of the beta-defensins is identical to that of the classical defensins. *Biochemistry*. 1995 Oct 17;34(41):13663-71.

Caution: Product has not been fully validated for medical applications. For research use only.

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