

Human β -defensin-3

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| Cat. No.: | HY-P2312 |
| CAS No.: | 221230-01-9 |
| Molecular Formula: | C ₂₁₆ H ₃₇₁ N ₇₅ O ₅₉ S ₆ |
| Molecular Weight: | 5155.17 |
| Sequence: | Gly-Ile-Ile-Asn-Thr-Leu-Gln-Lys-Tyr-Tyr-Cys-Arg-Val-Arg-Gly-Gly-Arg-Cys-Ala-Val-Leu-Ser-Cys-Leu-Pro-Lys-Glu-Glu-Gln-Ile-Gly-Lys-Cys-Ser-Thr-Arg-Gly-Arg-Lys-Cys-Cys-Arg-Arg-Lys-Lys (Disulfide bridge:Cys11-Cys40;Cys18-Cys33;Cys23-Cys41) |
| Sequence Shortening: | GIINTLQKYCRVRRGRCVLSCLPKKEEQIGKCSTRGRKCCRRKK (Disulfide bridge:Cys11-Cys40;Cys18-Cys33;Cys23-Cys41) |
| Target: | Antibiotic; Bacterial |
| Pathway: | Anti-infection |
| Storage: | Please store the product under the recommended conditions in the COA. |

BIOLOGICAL ACTIVITY

Description

Human β -defensin-3 (H β D-3) is an antibiotic **anti-microbial peptide** produced by epithelial cells with antimicrobial activities and reduces the effect of inflammatory cytokine responses. Human β -defensin-3 is against different microbes with IC₅₀ values of 6-25 μ g/ml^[1].

REFERENCES

[1]. Vishnu Dhople, et al. The Human beta-defensin-3, an Antibacterial Peptide With Multiple Biological Functions. *Biochim Biophys Acta*. 2006 Sep;1758(9):1499-512

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

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