

Beta-Defensin-4 Active Peptide

Beta-Defensin-4 (Human)

CATALOG #
AAA60579

PRODUCT SYNONYMS

Beta-Defensin-4; Beta-Defensin-4 (Human); Beta-Defensin-4 active peptide

PRODUCT SPECIFICATIONS

Size Information	This vial contains exactly 0.11mg (25nmol) of the titled compound, which has been lyophilized as an amorphous powder from aqueous solution.
Solution	Do not remove the cap. Inject 250 ul of distilled water into the vial using a calibrated syringe. Dissolve all the contents thoroughly. This procedure furnishes a 0.1 mM solution of the titled compound.
Structure	Glu-Leu-Asp-Arg-Ile-Cys-Gly-Tyr-Gly-Thr-Ala-Arg-Cys-Arg-Lys-Lys-Cys-Arg-Ser-Gln-Glu- Tyr-Arg-Ile-Gly-Arg-Cys-Pro-Asn-Thr-Tyr- Ala-Cys-Cys-Leu-Arg-Lys (Disulfide bonds between Cys ⁶ -Cys ³³ , Cys ¹³ -Cys ²⁷ , and Cys ¹⁷ -Cys ³⁴)
Molecular Weight	4366.0
Molecular Formula	C180H295N63O52S6
Preparation and Storage	(Solution) After preparing 100-200 ull aliquots, freeze them at -20 Degree C or below until use. The aqueous solution should be used within a few weeks. (Powder) The undissolved peptide should be stored at -20 Degree C.

ADDITIONAL INFORMATION

Related Product Information for Beta-Defensin-4 active peptide	hBD-4 Prepro hBD-4 (Human, 25-61) Glu-Leu-Asp-Arg-Ile-Cys-Gly-Tyr-Gly-Thr-Ala-Arg-Cys-Arg-Lys-Lys-Cys-Arg-Ser-Gln-Glu-Tyr-Arg-Ile-Gly-Arg-Cys-Pro-Asn-Thr-Tyr-Ala-Cys-Cys-Leu-Arg-Lys (Disulfide bonds between Cys6-Cys33, Cys13-Cys27, and Cys17-Cys34) (M.W. 4366.0) C180H295N63O52S6 Antimicrobial Peptide / Chemoattractant for Monocytes B.C. Schutte, J.P. Mitros, J.A. Bartlett, J.D. Walters, H. Peng Jia, M.J. Welsh, T.L. Casavant, and P.B. McCray, Jr., Proc. Natl. Acad. Sci., USA, 99, 2129 (2002). (beta-Defensin Family Peptides) J.R.C. García, A. Krause, S. Schulz, F.-J. Rodríguez-Jiménez, E. Klüver, K. Adermann, U. Forssmann, A. Frimpong-Boateng, R. Bals, and W.-G. Forssmann, FASEB J., 15, 1819 (2001). (Original: hBD-4 & S-S Bond)R.I. Lehrer and T. Ganz, Ann. N.Y. Acad. Sci., 797, 228 (1996). (Review)
Product Categories/Family for Beta-Defensin-4 active peptide	Biologically Active Peptide

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/active-peptide/beta-defensin-4/60579>