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32-20032: Animal-Free Recombinant Human BD-5(Discontinued)

Alternative Name : BD5, DEFB5, DEFB105a, Beta-Defensin 5

Description

Source: E.coli
Defensins (Alpha and Beta) are cationic peptides with a broad spectrum of antimicrobial activity that comprise an important arm of the innate immune system. The Alpha-defensins are distinguished from the Beta-defensins by the pairing of their three disulfide bonds. To date, six human Beta-defensins have been identified; BD-1, BD-2, BD-3, BD-4, BD-5 and BD-6. Beta-defensins are expressed on some leukocytes and at epithelial surfaces. In addition to their direct antimicrobial activities, they can act as chemoattractants towards immature dendritic cells and memory T cells. The Beta-defensin proteins are expressed as the C-terminal portion of precursors, and are released by proteolytic cleavage of a signal sequence and, in some cases, a propeptide sequence. Beta-defensins contain a six-cysteine motif that forms three intra-molecular disulfide bonds. Recombinant Human BD-5 is a 5.8 kDa protein containing 51 amino acid residues.

Product Info

Amount : 5 µg / 20 µg
Purification : Purity: >= 98% by SDS-PAGE gel and HPLC analyses.
Amino Acid : GLDFSQPFPS GEFAVCESCK LGRGKCRKEC LENEKPDGNC RLNFLCCRQR I

For Research Use Only. Not for use in diagnostic/therapeutics procedures.