

32-20028: Recombinant Human BD-3(Discontinued)

Alternative Name : Beta-Defensin 3, DEFB3, DEFB103A

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-3 is a 5.1 kDa protein containing 45 amino acid residues.

Product Info

Amount : 5 µg / 20 µg

Purification : Purity: \geq 98% by SDS-PAGE gel and HPLC analyses.

Amino Acid : GIINTLQKYY CRVRGGRCAY LSCLPKEEQI GKCTRGRKC CRRKK

Application Note

Exhibits antimicrobial activity against gram-positive bacteria *S. aureus* and gram-negative *P. aeruginosa* and *E.coli*.