

## 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 intramolecular 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 GEFVCECK LGRGKCRKEC LENEKPDGNC RLNFLCCRQR I