

Bioworld Technology, Inc.

Recombinant Human beta-Defensin 3 (rHuBD-3)

Catalog Number: PR1009	Source:Escherichia coli.	Quantity:5µg/20µg/1.0mg
Catalog Number: PR1009 Description Defensins (alpha and beta) are cationic per pectrum of antimicrobial activity that co ant arm of the innate immune system. The distinguished from the β -defensins by the hree disulfide bonds. To date, four human been identified; BD-1, BD-2, BD-3 and E are expressed on some leukocytes and at e in addition to their direct antimicrobial a chemoattractant towards immature dendrite bry T cells. The β -defensin proteins are est erminal portion of precursors and are released the avage of a signal sequence and, in the in.a.), a propeptide region. β -defensins com- notif that forms three intra-molecular dis- Defensins are 3-5 kDa peptides ranging in	Formulatiptides with a broadLyophilizedpomprise an impor-20mM PB, β he α-defensins areAA Sequen β-defensins haveE Q I G K CBD-4. β-defensinsEndotoxinactivities, they areLess thanactivities, they aremethod.tic cells and mem-Reconstittxpressed as the C-We recommased by proteolyticopening to Icase of BD-1 (36sterile distilto a concentbe apportion	ion: I from a 0.2 □ m filtered concentrated solution is pH 7.4, 130mM NaCl. ence: Q K Y Y C R V R G G R C A V L S C L P K C S T R G R K C C R R K K n: 1EU/□g of rHuBD-3 as determined by LA
amino acid residues. Molecular Weight: Approximately 5.1 KDa, a single non-glyc tide chain containing 45 amino acids. Purity: >98% by SDS-PAGE and HPLC analyses. Biological Activity: Exhibits antimicrobial activity against gram S. aureus and gram-negative P. aeruginosa Physical Appearance: Sterile Filtered White lyophilized (freeze-o	kept at -20 kept at -20 Upon recon week at 2-8 stituted prep to -70□C. A Usage: This materi search, labo	lized preparation is stable at 2-8 \Box C, but should l \Box C for long term storage, preferably desiccate istitution, the preparation is stable for up to on \Box C. For maximal stability, apportion the reco paration into working aliquots and store at -20 \Box Avoid repeated freeze/thaw cycles. al is offered by USA Bioworld biotech for r pratory or further evaluation purposes. NOT FO (SE. Made in China

Bioworld Technology, Inc.

1660 South Highway 100, Suite 500 St. Louis Park,MN55416,USA.Email: info@bioworlde.comTel: 6123263284Fax: 6122933841

MADE IN CHINA Bioworld technology, co, Ltd. No 9, weidi road Qixia District Nanjing, 210046, P, R.China. Email: info@biogot.com Tel: 0086-025-86371664 Fax:0086-025-86213570