

## RECOMBINANT HUMAN BETA-DEFENSIN-2 [BD-2]

---

<b>CATALOG NUMBER:</b>	GF100	<b>QUANTITY:</b>	20 µg
<b>LOT NUMBER:</b>			
<b>DESCRIPTION:</b>	Recombinant Human beta-defensin-2 (BD-2) is an antimicrobial peptide, which belongs to the distinct family of beta-defensins. Recent studies have shown that the beta-defensins are present in the human airways and may be relevant to the pathogenesis of cystic fibrosis lung disease. GF100 is a 4.3 kDa protein containing 41 amino acid residues.		
<b>SOURCE:</b>	<i>E. coli</i>		
<b>PURITY:</b>	Greater than 98% by SDS-PAGE and HPLC analyses. Endotoxin level is less than 0.1 ng per µg (1EU/ug) of Human BD-2.		
<b>BIOLOGICAL ACTIVITY:</b>	GF100 is fully biologically active as determined by its ability to chemoattract immature dendritic cells using a concentration of 10-100 ng/mL.		
<b>PRESENTATION:</b>	The sterile filtered solution was lyophilized with no additives. For reconstitution, we recommend a quick spin followed by reconstitution in 10 mM Acetic Acid to a concentration of 0.1-1.0 mg/mL. This solution can then be diluted into other aqueous buffers.		
<b>STORAGE/HANDLING:</b>	The lyophilized protein is stable for a few weeks at room temperature, but is best stored at -20°C. Reconstituted BD-2 should be stored in working aliquots at -20°C. Diluted aliquots can be stored at 4°C for 1 week or -20°C for future use.		

*For research use only; not for use as a diagnostic.*

**Important Note:** *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

© 2005: CHEMICON® International, Inc. - By CHEMICON® International, Inc. All rights reserved. No part of these works may be reproduced in any form without permissions in writing.