

## 32-1067: mBD 3 Recombinant Protein

**Alternative Name :** Beta-defensin 3,BD-3,mBD-3,Defensin beta 3,Defb3,Bd3,MGC129397.

### Description

Source : Escherichia Coli. Beta Defensin-3 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 41 amino acids and having a molecular mass of 4.6kDa. The BD-3 is purified by proprietary chromatographic techniques. Defensins form a family of microbicidal and cytotoxic peptides made by neutrophils. Members of the defensin family are highly similar in protein sequence. This gene encodes defensin, beta 103A, which has broad spectrum antimicrobial activity and may play an important role in innate epithelial defense.

### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	Greater than 98.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
<b>Content :</b>	The Mouse BD-3 was lyophilized from a 0.2µm filtered concentrated solution in PBS, pH7.4.
<b>Storage condition :</b>	Lyophilized Beta Defensin-3 Recombinant although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution BD-3 should be stored at 4°C between 2-7 days and for future use below -18°C.Please prevent freeze-thaw cycles.
<b>Amino Acid :</b>	KKINNPVSCL RKGGRWNRC IGNTRQIGSC GVPFLKCKR K.

### Application Note

It is recommended to reconstitute the lyophilized Beta Defensin-3 in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions. Measured by its antimicrobial activity against E. coli. The ED50 for this effect is typically 4-20µg/ml, corresponding to a specific activity of 50,000-250,000units/mg.

