



Optimize Your Research

# Recombinant Rat Beta-defensin 3 protein

## Code CD00142

**Storage:** This lyophilized preparation is stable at 2-8°C, but should be kept at -20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -70°C. Avoid repeated freeze/thaw cycles.

### Intended Use

This product is for research use only, not for use in diagnosis procedures. It is highly recommended to read this instruction entirely before the use.

### Source

Escherichia coli.

### Molecular Weight

Approximately 4.5 kDa, a single non-glycosylated polypeptide chain containing 41 amino acids.

### Purity

> 95 % by SDS-PAGE and HPLC analyses.

### Biological Activity

Fully biologically active when compared to standard. Measured by its antimicrobial activity against E. coli. The ED50 for this effect is typically 4-20 µg/ml.

### Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

### Formulation

Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.

### Sequence

KKVYNAVSCM TNGGICWLKC SGTFREIGSC GTRQLKCKCK K

### Endotoxin

Less than 1 EU/µg of rRtBD-3 as determined by LAL method.

### Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/ml. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

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