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## Product Datasheet

### Human beta-Defensin 4 (rHuBD-4) (orb1494987)

Evolve Biosystems.  
**Description**

Defensins (alpha and beta) are cationic

antimicrobial activity tha...

**Endotoxins**

Less than 1EU/µg of rHuBD-4 as determined by LAL method.

**Preservatives**

Lyophilized from a 0.2µm filtered concentrated solution in 20mM PB, pH 7.4, 130mM NaCl.

**Form/Appearance**

Sterile Filtered White lyophilized (freeze-dried) powder.

**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.

**Note**

For research use only

**Application notes**

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.

**Protein Sequence**

EFELDRICGY GTARCRKKCR SQEYRIGRCP  
NTYACCLRKW DESLLNRTKP

**Source**

Escherichia coli.

**MW**

Approximately 6.0 KDa, a single non-glycosylated polypeptide chain containing 50 amino acids.

**Expiration Date**

6 months from date of receipt.