

# Mouse BD 3 Recombinant Protein



RPPB0074

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## Product Information    Protein Information

**Product SKU:**

RPPB0074

**Accession:**

Q9WTL0

**Host:**

Escherichia Coli.

**Protein description:**

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.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

Beta-defensin 3, BD-3, mBD-3, Defensin beta 3, Defb3, Bd3, MGC129397.

**Formulation:**

The Mouse BD-3 was lyophilized from a 0.2µm filtered concentrated solution in PBS, pH7.4.

**Purity:**

Greater than 98.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

**Solubility:**

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.

**Stability:**

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.

**Amino Acid Sequence:**

KKINNPVSCL RKGGRWCNRC IGNTRQIGSC GVPFLKCKR K.

**Biological Activity:**

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.