

Rat BD 3 Recombinant Protein



RPPB0075

Product Information Protein Information

Product SKU:

RPPB0075

Accession:

Q32Z14

Host:

Escherichia Coli.

Protein description:

BD-3 Rat Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 41 amino acids and having a molecular mass of 4.5kDa. The BD-3 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Beta-defensin 3, BD-3, Defensin beta 3, Defb3.

Formulation:

BD-3 protein was lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.

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 BD-3 in sterile 18M-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized BD-3 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. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Amino Acid Sequence:

KKVYNAVSCM TNGGICWLKC SGTFREIGSC GTRQLKCKK 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.