

Rat BD 1 Recombinant Protein



RPPB0070

Product Information Protein Information

Product SKU:

RPPB0070

Accession:

O89117

Host:

Escherichia Coli.

Protein description:

BD-1 Rat Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 37 amino acids and having a molecular mass of 4.1kDa. The BD-1 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Beta-defensin 1, BD-1, rBD-1, Defensin beta 1, Defb1.

Formulation:

BD-1 protein was lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.

Purity:

Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized BD-1 in sterile 18M-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized BD-1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution BD-1 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:

DQYRCLQNGG FCLRSSCP SH TKLQGTCKPD KPNCCRS.

Biological Activity:

Measured by its ability to chemoattract CD34+ dendritic cells using a concentration range of 0.1-1.0 µg/ml.