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32-1068: rBD 3 Recombinant Protein

Alternative Name : Beta-defensin 3,BD-3,Defensin beta 3,Defb3.

Description

Source : Escherichia Coli. 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. Defensins form a family of microbicidal and cytotoxic peptides made by neutrophils. Members of the defensin family are highly similar in protein sequence. This gene encodes defensin, beta 103A, which has broad spectrum antimicrobial activity and may play an important role in innate epithelial defense.

Product Info

Amount :	20 µg
Purification :	Greater than 98.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	BD-3 protein was lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.
Storage condition :	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 :	KKVYNAVSCM TNGGICWLKC SGTFREIGSC GTRQLKCCKK K.

Application Note

It is recommended to reconstitute the lyophilized BD-3 in sterile 18M-cm H2O not less than 100ÃÂµg/ml, which can then be further diluted to other aqueous solutions. Measured by its antimicrobial activity against E. coli. The ED50 for this effect is typically 4-20ÃÂµg/ml, corresponding to a specific activity of 50,000-250,000units/mg.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.