
Product Data Sheet

Product Name: BD 3 Human
Cat. No.: GP20078
Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	HBD3; HBP3; DEFB3; HBD-3; HBP-3; DEFB103.		
Amino Acid Sequence	GIINTLQKYY CRVRGGRCV LSCLPKEEQI GKCSTRGRKC CRRKK.		
Solubility	It is recommended to reconstitute the lyophilized Beta Defensin-3 in sterile 18MΩ-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	The HBD-3 was lyophilized without additives.		

Introduction

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.

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.

Background

Beta Defensin-3 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 45 amino acids and having a molecular mass of 5161.2 Dalton. The BD-3 is purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

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