Datasheet for ABIN935229

Defensin beta 3 Protein (DEFB3)

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Overview

Quantity:	20 µg
Target:	Defensin beta 3 (DEFB3)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Sequence:	GIINTLQKYY CRVRGGRCAV LSCLPKEEQI GKCSTRGRKC CRRKK
Characteristics:	Purified recombinant Human BD3 protein Expression System: E.coli Bioactivity: Exhibits antimicrobial activity against gram-positive bacteria S. aureus and gram-negative P. aeruginosa and E.coli.
Purity:	> 98 % pure
Endotoxin Level:	< 0.1 ng per µg (1 EU/µg).

Target Details

Target:	Defensin beta 3 (DEFB3)
Alternative Name:	BD3 (DEFB3 Products)
Background:	Defensins (alpha and beta) are cationic peptides with a broad spectrum of antimicrobial activity that comprise an important arm of the innate immune system. The a-defensins are

Target Details

	distinguished from the beta-defensins by the pairing of their three disulfide bonds. To date, four human beta-defensins have been identified, BD-1, BD-2, BD-3 and BD-4. beta-defensins are expressed on some leukocytes and at epithelial surfaces. In addition to their direct antimicrobial activities, they are chemoattractant towards immature dendritic cells and memory T cells. Alternative Names: BD-3 protein, BD 3, BD 3 protein, BD3, BD-3 protein, beta-defensin-3 protein, BD 3 protein, BD-3
Molecular Weight:	3.9 kDa
Pathways:	Production of Molecular Mediator of Immune Response

Application Details

Application Notes:	Each Investigator should determine their own optimal working dilution for specific applications.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitute in 10 mM Acetic Acid to a concentration of 0.1 - 1.0 mg/mL.
Buffer:	Supplied lyophilized with no additives.
Preservative:	Without preservative
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 4 °C until reconstitution. Following reconstitution aliquot and freeze at -20 °C for long term storage.