Bioactive

DEFB103B (Human) Recombinant Protein

Catalog # P7173 Size 20 ug

Specification

Product Description	Human DEFB103B (P81534, 23 a.a. - 67 a.a.) partial recombinant protein expressed in *Escherichia coli*.
Sequence	GIINTLQKYYCRVRGGRCAVLSCLPKEEQIGKCSTRGRKCCRRKK
Host	Escherichia coli
Theoretical MW (kDa)	5.2
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Purity	> 98% by SDS-PAGE
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	The ED_{50} was determined by anti-microbial activity against E.coli is < 30.0 ug/ml, corresponding to a specific activity of > 33.3 IU/mg.
Storage Buffer	Lyophilized from sterile distilled Water up to 0.1 - 1.0 mg/ml
Storage Instruction	Store at 4°C to 8°C for 1 week. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

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Gene Info — DEFB103A

Entrez GeneID	55894
Protein Accession#	P81534
Gene Name	DEFB103A
Gene Alias	DEFB103, DEFB3, HBD-3, HBD3, HBP-3, HBP3
Gene Description	defensin, beta 103A
Omim ID	606611
Gene Ontology	Hyperlink
Gene Summary	Defensins form a family of microbicidal and cytotoxic peptides made by neutrophils. Members of t he defensin family are highly similar in protein sequence. This gene encodes defensin, beta 103B , which has broad spectrum antimicrobial activity and may play an important role in innate epitheli al defense. [provided by RefSeq
Other Designations	beta-defensin 3|defensin, beta 3

Disease

- Celiac Disease
- Cystic fibrosis
- Genetic Predisposition to Disease
- HIV Infections

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