

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 <i>Escherichia coli</i> .
Sequence	GIINTLQKYCYCRVRGGRC AVL SCLPK EEQIGK CSTRGRKCCRRKK
Host	<i>Escherichia coli</i>
Theoretical MW (kDa)	5.2
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> 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

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 the 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 epithelial defense. [provided by RefSeq]

Other Designations beta-defensin 3|defensin, beta 3

Disease

- [Celiac Disease](#)
- [Cystic fibrosis](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)