

Bioactive

DEFB1 (Human) Recombinant Protein

Catalog # P3591

Size 20 ug

Specification

Product Description	Human DEFB1 (P60022, 33 a.a. - 70 a.a.) partial recombinant protein expressed in <i>Escherichia coli</i> .
Sequence	RSDHYNCVSSGGQCLYSACPIFTKIQGTCYRGKAKCCK
Host	<i>Escherichia coli</i>
Theoretical MW (kDa)	5
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Purification	Ion exchange column and HPLC reverse phase column
Purity	> 90% by SDS-PAGE and HPLC
Endotoxin Level	< 0.1 ng/ug (1 EU/ug)
Activity	The ED ₅₀ was determined by the ability to chemoattract CD34+ dendritic cells using a concentration range of 0.1-1.0 ug/mL.
Storage Buffer	Lyophilized from 100 mM NaCl, 20 mM PB, pH 7.4
Storage Instruction	Store at -20°C on dry atmosphere for 2 years. After reconstitution with deionized water, store at 4°C for 1 month or store at -20°C for 6 months. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

Gene Info — DEFB1

Entrez GeneID	1672
Protein Accession#	P60022
Gene Name	DEFB1
Gene Alias	BD1, DEFB-1, DEFB101, HBD1, MGC51822
Gene Description	defensin, beta 1
Omim ID	602056
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 1, an antimicrobial peptide implicated in the resistance of epithelial surfaces to microbial colonization. This gene maps in close proximity to defensin family member, defensin, alpha 1 and has been implicated in the pathogenesis of cystic fibrosis. [provided by RefSeq]
Other Designations	beta-defensin-1

Disease

- [Aggressive Periodontitis](#)
- [Asthma](#)
- [Autoimmune Diseases](#)
- [Birth Weight](#)
- [Bronchitis](#)
- [Candidiasis](#)
- [Celiac Disease](#)
- [Chorioamnionitis](#)
- [Chronic Disease](#)
- [Chronic Periodontitis](#)
- [Crohn Disease](#)
- [Cystic fibrosis](#)

- [Dental Caries](#)
- [Dermatitis](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Ductus Arteriosus](#)
- [Fetal Membranes](#)
- [Gastritis](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Helicobacter Infections](#)
- [Herpesviridae Infections](#)
- [HIV Infections](#)
- [Hypersensitivity](#)
- [Infant](#)
- [Leprosy](#)
- [Leukemia](#)
- [Lung Neoplasms](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Meningococcal Infections](#)
- [Obstetric Labor](#)
- [Pancreatitis](#)
- [Periodontal Diseases](#)
- [Periodontitis](#)
- [Pre-Eclampsia](#)

- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Pseudomonas Infections](#)
- [Psoriasis](#)
- [Pulmonary Disease](#)
- [Sepsis](#)
- [Thyroiditis](#)
- [Viremia](#)