

Bioactive

DEFB1 (Human) Recombinant Protein

Catalog # P7171

Size 25 ug

Specification

Product Description	Human DEFB1 (P60022, 22 a.a. - 68 a.a.) partial recombinant protein expressed in <i>Escherichia coli</i> .
Sequence	GNFLTGLGHRSDHYNCVSSGGQCLYSACPIFTKIQTGTCYRGKAKCCK
Host	<i>Escherichia coli</i>
Theoretical MW (kDa)	5.1
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 biological activity determined by a chemotaxis bioassay using CD34 ⁺ dendritic cells is in a concentration range of 100.0 - 1000.0 ng/ml.
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 — 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](#)