

Bioactive

DEFB1 (Human) Recombinant Protein

Catalog # P8445

Size 20 ug

Specification

Product Description	Human DEFB1 (P60022) recombinant protein expressed in <i>Escherichia coli</i> .
Sequence	GNFLTGLGHRSDHYNCVSSGGQCLYSACPIFTKIQTGYRGKAKCCK.
Host	Escherichia coli
Theoretical MW (kDa)	5
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Purity	> 98% by HPLC and SDS PAGE
Activity	Determined by the ability to chemoattract CD34+ dendritic cells using a concentration range of 100-1000ng/mL corresponding to a specific activity of 1,000-10,000 IU/mg.
Storage Buffer	Lyophilized from 20mM PBS pH 7.4 and 130mM sodium chloride.
Storage Instruction	Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

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](#)