Bioactive

DEFB104A (Human) Recombinant Protein

Catalog # P3594 Size 20 ug

Specification

Product Description	Human DEFB104A (Q8WTQ1, 23 a.a. - 72 a.a.) partial recombinant protein expressed in *Escherich ia coli*.
Sequence	EFELDRICGYGTARCRKKCRSQEYRIGRCPNTYACCLRKWDESLLNRTKP
Host	Escherichia coli
Theoretical MW (kDa)	6
Form	Lyophilized
Preparation Method	*Escherichia coli* 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 immature human dendritic cells using a conc entration range of 1-50 ng/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 — DEFB104A

Entrez GeneID	140596
Protein Accession#	Q8WTQ1
Gene Name	DEFB104A
Gene Alias	BD-4, DEFB-4, DEFB104, DEFB4, MGC118942, MGC118944, MGC118945, hBD-4
Gene Description	defensin, beta 104A
Gene Ontology	Hyperlink
Gene Summary	Defensins form a family of microbicidal and cytotoxic peptides made by neutrophils. Defensins ar e short, processed peptide molecules that are classified by structure into three groups: alpha-def ensins, beta-defensins and theta-defensins. All beta-defensin genes are densely clustered in four to five syntenic chromosomal regions. Chromosome 8p23 contains at least two copies of the dupl icated beta-defensin cluster. This duplication results in two identical copies of defensin, beta 104, DEFB104A and DEFB104B, in head-to-head orientation. This gene, DEFB104A, represents the more centromeric copy. [provided by RefSeq
Other Designations	defensin, beta 4

Disease

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