

Bioactive

DEFB104A (Human) Recombinant Protein

Catalog # P8453

Size 20 ug

Specification

Product Description	Human DEFB104A (Q8WTQ1) recombinant protein expressed in <i>Escherichia coli</i> .
Sequence	EFELDRICGYGTARCRKKCRSQEYRIGRCPNTYACCLRKWDESLNRTKP.
Host	Escherichia coli
Theoretical MW (kDa)	6
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Purity	> 98% by HPLC and SDS PAGE
Activity	Determined by the ability to chemoattract human monocytes using a concentration range of 0.1-50 n g/mL, corresponding to a specific activity of 20,000-10,000,000 units/mg.
Storage Buffer	Lyophilized from 20mM sodium Phosphate buffer pH 7.4 and 130mM NaCl.
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 — 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	<p>Defensins form a family of microbicidal and cytotoxic peptides made by neutrophils. Defensins are short, processed peptide molecules that are classified by structure into three groups: alpha-defensins, 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 duplicated 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]</p>
Other Designations	defensin, beta 4

Disease

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