

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.<br>For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).<br>Avoid multiple freeze-thaw cycles. |

### Applications

- Functional Study
- SDS-PAGE

### Gene Info — DEFB104A

Entrez GeneID

[140596](#)

|                    |  |
|--------------------|--|
| Protein Accession# | <a href="#">Q8WTQ1</a>   |
| Gene Name          | DEFB104A   |
| Gene Alias         | BD-4, DEFB-4, DEFB104, DEFB4, MGC118942, MGC118944, MGC118945, hBD-4   |
| Gene Description   | defensin, beta 104A  |
| Gene Ontology      | <a href="#">Hyperlink</a>  |
| 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](#)