



Recombinant Mouse BD-3

20191029DS



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

| | |
|------------------|----------------------------|
| Cat.-no.: | M10-023S |
| Size: | 5 µg |
| Lot. No.: | According to product label |

Sequence

KKINNPVSCL RKGGRCWNR IGNTQIGSC GVPFLKCKR K

Database References

| | |
|------------------------|-------------|
| Protein RefSeq: | NP_038784.1 |
| Uniprot ID: | Q9WTL0 |
| mRNA RefSeq: | NM_013756.2 |

Scientific Background

| | |
|------------------------|----------------------------------|
| Gene-ID (NCBI): | 27385 |
| Synonyms: | Beta-Defensin 3, DEFB3, DEFB103A |

Defensins (alpha and beta) are cationic peptides with a broad spectrum of antimicrobial activity that comprise an important arm of the innate immune system. The α -defensins are distinguished from the β -defensins by the pairing of their three disulfide bonds. To date, six human β -defensins have been identified; BD-1, BD-2, BD-3, BD-4, BD-5 and BD-6. β -defensins are expressed on some leukocytes and at epithelial surfaces. In addition to their direct antimicrobial activities, they can act as chemoattractants towards immature dendritic cells and memory T cells. The β -defensin proteins are expressed as the C-terminal portion of precursors, and are released by proteolytic cleavage of a signal sequence and, in some cases, a propeptide sequence. β -defensins contain a six-cysteine motif that forms three intra-molecular disulfide bonds. Recombinant Murine BD-3 is a 4.6 kDa protein containing 41 amino acid residues.

Product Specifications

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|------------------------|---|
| Expressed in | E. coli |
| Purity | ≥ 98% by SDS-PAGE gel and HPLC analyses |
| Endotoxin level | < 0.1 ng/µg of protein (<1EU/µg) |
| Formulation | lyophilized |
| Length (aa): | 41 |
| MW: | 4.6 kDa |



AVOID REPEATED FREEZE AND THAW CYCLES!

Biological Activity: Not available.