

BD 3 Mouse

Description: Beta Defensin-3 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 41 amino acids and having a molecular mass of 4.6kDa. The BD-3 is purified by proprietary chromatographic techniques.

Catalog #:CYP5-043

For research use only.

Synonyms: Beta-defensin 3, BD-3, mBD-3, Defensin beta 3, Defb3, Bd3, MGC129397.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered White lyophilized (freeze-dried) powder.

Amino Acid Sequence: KKINNPVSCL RKGGRWCNRC IGNTQIGSC GVPFLKCKR K.

Purity: Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Formulation:

The Mouse BD-3 was lyophilized from a 0.2

Stability:

Lyophilized Beta Defensin-3 Recombinant although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution BD-3 should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Solubility:

It is recommended to reconstitute the lyophilized Beta Defensin-3 in sterile 18M-cm H₂O not less than 100

Introduction:

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 103A, which has broad spectrum antimicrobial activity and may play an important role in innate epithelial defense.

Biological Activity:

Measured by its antimicrobial activity against E. coli. The ED₅₀ for this effect is typically 4-20

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