9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

BD 3 Mouse

Beta Defensin-3 Mouse Recombinant
CYK0073

Product Overview

Name	BD 3 Mouse
Description	
Beta Defensin-3 Mouse Recombinant	
Accession (Primary)	Q9WTL0
Synonyms	
Beta-defensin 3, BD-3, mBD-3, Defensin beta 3, Defb3, Bd3, MGC129397.	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
The Mouse BD-3 was lyophilized from a 0.2 μm filtered concentrated solution in PBS, pH7.4.	
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.	
Purity	
Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	
KKINNPVSCL RKGGRCWNRC IGNTRQIGSC GVPFLKCCKR K.	
Biological Activity	
Measured by its antimicrobial activity against E. coli. The ED 50 for this effect is typically 4-20 μg/ml, corresponding to a specific activity of 50,000-250,000units/mg.	
Solubility	

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

It is recommended to reconstitute the lyophilized Beta Defensin-3 in sterile 18M-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

BD 3 Mouse is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9WTL0)