Datasheet for ABIN7319215

beta Defensin 1 Protein

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Overview

Quantity:	50 µg
Target:	beta Defensin 1 (DEFB1)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human β-Defensin 1/DEFB1 Protein
Sequence:	Gly22-Lys68
Characteristics:	Recombinant Human beta-Defensin 1 is produced by our E.coli expression system and the target gene encoding Gly22-Lys68 is expressed.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	beta Defensin 1 (DEFB1)
Alternative Name:	beta-Defensin 1/DEFB1 (DEFB1 Products)
Background:	Background: β-Defensin 1 (DEFB1) is a member of the β-defensin family, which is highly expressed by epithelial cells. β-defensins are expressed as the C-terminal portion of precursors and are released by proteolytic cleavage of a signal peptide. β-defensins contain a six-cysteine motif that forms three intra-molecular disulfide bonds. β-defensin 1 is an antimicrobial peptide

Target Details

	implicated in the resistance of epithelial surfaces to microbial colonization. Defects in β-Defensin-1 contribute to asthma diagnosis, with apparent gender-specific effects in human. β-defensin 1 may also play a role in the pathogenesis of severe sepsis. In addition, β-defensin 1 is associated with induction profiles in gingival keratinocytes. Synonym: Beta-Defensin 1, BD-1, hBD-1, Defensin Beta 1, DEFB1, BD1, HBD1
Molecular Weight:	5.1 kDa
UniProt:	P60022

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 130 mM NaCl, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.