

[Go to Product page](#)

Datasheet for ABIN935250

Defensin beta 4 Protein (DEFB4) (AA 33-47)

Overview

Quantity:	20 µg
Target:	Defensin beta 4 (DEFB4)
Protein Characteristics:	AA 33-47
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Sequence:	EFELDRICGY GTARCRKKCR SQEYRIGRCP NTYACCLRKW DESLLNRTKP
Characteristics:	Purified recombinant Human BD4 protein Expression System: E.coli Bioactivity: Determined by its ability to chemoattract human monocytes using a concentration range of 0.1-100.0 ng/mL.
Purity:	> 98 % pure
Endotoxin Level:	< 0.1 ng per µg (1 EU/µg).

Target Details

Target:	Defensin beta 4 (DEFB4)
Alternative Name:	BD4 (DEFB4 Products)
Background:	Defensins (alpha and beta) are cationic peptides with a broad spectrum of antimicrobial activity

Target Details

that comprise an important arm of the innate immune system. The α -defensins are distinguished from the beta-defensins by the pairing of their three disulfide bonds. To date, four human beta-defensins have been identified, BD-1, BD-2, BD-3 and BD-4. The beta-defensin proteins are expressed as the C-terminal portion of precursors and are released by proteolytic cleavage of a signal sequence. beta-defensins contain a six-cysteine motif that forms three intra-molecular disulfide bonds. beta-defensins are 3-5 kDa peptides ranging in size from 33-47 amino acid residues. BD-4 is expressed in testis, stomach, uterus, neutrophils, thyroid, lung and kidney.

Alternative Names: BEFB4 protein, BD 4 protein, beta-defensin 104 protein, BD 4 protein, BD-4, BD-4 protein, BD 4, BD4, BD-4 protein

Molecular Weight: 6.0 kDa

Application Details

Application Notes: Each Investigator should determine their own optimal working dilution for specific applications.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Supplied as a lyophilized powder.

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: 4 °C/-20 °C

Storage Comment: Store at 4 °C until reconstitution. Following reconstitution aliquot and freeze at -20 °C for long term storage.