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Datasheet for ABIN1096119

Defensin beta 4 Protein (DEFB4) (AA 23-72)

Overview

Quantity:	50 µg
Target:	Defensin beta 4 (DEFB4)
Protein Characteristics:	AA 23-72
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human β -Defensin 4/DEFB4
Sequence:	EFELDRICGY GTARCRKKCR SQEYRIGRCP NTYACCLRKW DESLLNRTKP
Characteristics:	Recombinant Human beta-Defensin 4/DEFB4 is produced with our E. coli expression system. The target protein is expressed with sequence (Glu23-Pro72) of Human beta-Defensin 4.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	Defensin beta 4 (DEFB4)
Alternative Name:	beta-defensin-4 (DEFB4 Products)
Background:	Defensins are cationic peptides. It is an important ingredient of the innate immune system.

Target Details

beta-defensins are expressed on some leukocytes and epithelial surfaces. Four human beta-Defensins have been identified to date: BD-1, BD-2, BD-3 and BD-4. beta-defensins contain a six-cysteine motif, they forms three intra-molecular disulfide bonds. beta-defensins are also chemoattractant towards immature dendritic cells and memory T cells. The beta-defensin proteins are expressed as the C-terminal portion of precursors, they are released by proteolytic cleavage of a signal sequence.

Alternative Names: Beta-Defensin 104, Beta-Defensin 4, BD-4, DEFB-4, hBD-4, Defensin Beta 104, DEFB104A, DEFB104, DEFB4, DEFB104B

Molecular Weight: 5.99 kDa

UniProt: [Q8WTQ1](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: It is not recommended to reconstitute to a concentration less than 100 µg/mL.
Dissolve the lyophilized protein in ddH₂O.
Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 130 mM NaCl, pH 7.4.

Handling Advice: Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

Storage: 4 °C/-20 °C/-80 °C

Storage Comment: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.
Reconstituted protein solution can be stored at 4-7°C for 2-7 days.
Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date: 3 months