A Reliable Research Partner in Life Science and Medicine

## Recombinant Human DEFB104A Protein

Catalog Number: PKSH033265

Note: Centrifuge before opening to ensure complete recovery of vial contents.

#### **Description**

**Species** Human

Source E.coli-derived Human DEFB104A protein Glu23-Pro72

Calculated MW 6.0 kDa Observed MW 9 kDa Accession Q8WTQ1

**Bio-activity** Not validated for activity

### **Properties**

Purity > 95 % as determined by reducing SDS-PAGE.

Endotoxin < 1.0 EU per µg of the protein as determined by the LAL method.

Storage 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.

This product is provided as lyophilized powder which is shipped with ice packs. Shipping Lyophilized from a 0.2 µm filtered solution of 20mM PB, 130mM NaCl, pH 7.4. Formulation

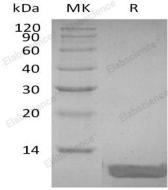
Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants

before lyophilization.

Please refer to the specific buffer information in the printed manual.

Please refer to the printed manual for detailed information. Reconstitution

### Data



> 95 % as determined by reducing SDS-PAGE.

# Background

Defensins are cationic peptides. It is an important ingredient of the innate immune system. β-defensins are expressed on some leukocytes and epithelial surfaces. Four human β-Defensins have been identified to date: BD-1, BD-2, BD-3 and B D-4. β-defensins contain a six-cysteine motif, they forms three intra-molecular disulfide bonds. β-defensins are also chemoattractant towards immature dendritic cells and memory T cells. The β-defensin proteins are expressed as the Cterminal portion of precursors; they are released by proteolytic cleavage of a signal sequence.

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