

# Recombinant Human DEFB104A Protein

Catalog Number:PKSH033265



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

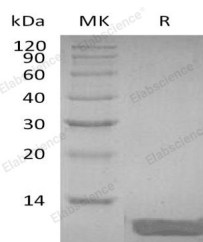
## Description

<b>Synonyms</b>	Beta-Defensin 104;Beta-Defensin 4;BD-4;DEFB-4;hBD-4;Defensin Beta 104;DEFB104A;DEFB104;DEFB4;DEFB104B
<b>Species</b>	Human
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Glu23-Pro72
<b>Accession</b>	Q8WTQ1
<b>Calculated Molecular Weight</b>	6.0 kDa
<b>Observed molecular weight</b>	9 kDa
<b>Tag</b>	None

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	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.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 130mM NaCl, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed man
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

Defensins are cationic peptides. It is an important ingredient of the innate immune system.  $\beta$ -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.

## For Research Use Only

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