

## Recombinant Human DEFB104A Protein, His-tagged

Cat. No. DEFB104A-1330H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human DEFB104A Protein (Glu23-Pro72) with N-His tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Glu23-Pro72
<b>Description</b>	<p>Defensins form a family of antimicrobial and cytotoxic peptides made by neutrophils. Defensins are short, processed peptide molecules that are classified by structure into three groups: alpha-defensins, beta-defensins and theta-defensins. All beta-defensin genes are densely clustered in four to five syntenic chromosomal regions. Chromosome 8p23 contains at least two copies of the duplicated beta-defensin cluster. This duplication results in two identical copies of defensin, beta 104, DEFB104A and DEFB104B, in head-to-head orientation. This gene, DEFB104A, represents the more centromeric copy.</p>
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	<p>Predicted Molecular Mass: 9.7 kDa            Accurate Molecular Mass: 13 kDa</p>
<b>Purity</b>	> 90%

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<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## GENE INFORMATION

<b>Gene Name</b>	DEFB104A defensin beta 104A [ Homo sapiens (human) ]
<b>Official Symbol</b>	DEFB104A
<b>Synonyms</b>	DEFB104A; defensin beta 104A; BD-4; DEFB4; hBD-4; DEFB-4; DEFB104; beta-defensin 104; defensin, beta 4
<b>Gene ID</b>	140596
<b>mRNA Refseq</b>	NM_080389
<b>Protein Refseq</b>	NP_525128

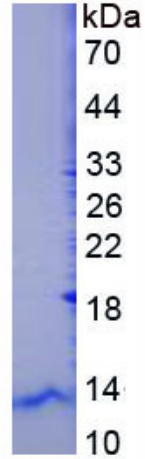
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UniProt ID

Q8WTQ1



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