

### Recombinant human DEFB-4 protein ab200234

#### Description

<b>Product name</b>	Recombinant human DEFB-4 protein
<b>Biological activity</b>	Determined by its ability to chemoattract human monocytes using a concentration range of 0.1-100.0 ng/mL.
<b>Purity</b>	> 98 % SDS-PAGE.
<b>Endotoxin level</b>	< 1.000 Eu/μg
<b>Expression system</b>	Escherichia coli
<b>Accession</b>	<u><a href="#">Q8WTQ1</a></u>
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	EFELDRICGY GTARCRKKCR SQEYRIGRCP NTYACCLRKW DESLLNRTKP
<b>Predicted molecular weight</b>	9 kDa
<b>Amino acids</b>	23 to 72
<b>Additional sequence information</b>	Mature form without signal peptide.

#### Specifications

Our **Abpromise guarantee** covers the use of **ab200234** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	HPLC
	SDS-PAGE
	Functional Studies
<b>Form</b>	Lyophilized
<b>Additional notes</b>	Protein previously labeled as beta 4 Defensin.

#### Preparation and Storage

<b>Stability and Storage</b>	<p>Shipped at 4°C. Store at 4°C prior to reconstitution. Upon reconstitution add a carrier protein (0.1% BSA). Store at -20°C or -80°C. Avoid freeze / thaw cycle.</p> <p>pH: 7.40</p> <p>Constituents: 99% Phosphate Buffer, 0.75% Sodium chloride</p> <p>This product is an active protein and may elicit a biological response in vivo, handle with caution.</p>
<b>Reconstitution</b>	<p>Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL.</p>
<b>General Info</b>	
<b>Function</b>	Has antimicrobial activity. Synergistic effects with lysozyme and DEFB103.
<b>Tissue specificity</b>	High expression in the testis. Gastric antrum exhibited relatively high levels. A lower expression is observed in uterus and neutrophils thyroid gland, lung, and kidney. No detectable expression in other tissues tested.
<b>Sequence similarities</b>	Belongs to the beta-defensin family.
<b>Cellular localization</b>	Secreted.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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