

## Product datasheet

# Recombinant human DEFB-4 protein ab200234

### Description

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<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>	<a href="#">Q8WTQ1</a>	
<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

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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

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<b>Stability and Storage</b>	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.  pH: 7.40 Constituents: 99% Phosphate Buffer, 0.75% Sodium chloride  This product is an active protein and may elicit a biological response in vivo, handle with caution.
<b>Reconstitution</b>	Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL.

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## General Info

<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.

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

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