

Product datasheet

Recombinant human DEFB-4 protein (Active) ab218675

1 Image

Description

Product name	Recombinant human DEFB-4 protein (Active)
Biological activity	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human monocytes is in a concentration range of 0.1 -100.0 ng/ml.
Purity	> 98 % SDS-PAGE. > 98 % by HPLC analysis.
Endotoxin level	< 1.000 Eu/μg
Expression system	Escherichia coli
Accession	<u>Q8WTQ1</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	EFELDRICGYGTARCRKKCRSQEYRIGRCPNTYACCLRKW DESLNRTKP
Predicted molecular weight	6 kDa
Amino acids	23 to 72
Additional sequence information	This product is the mature full length protein from aa 23 to 72. The signal peptide is not included. Single, non-glycosylated polypeptide chain.

Specifications

Our **Abpromise guarantee** covers the use of **ab218675** in the following tested applications.

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

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

Preparation and Storage

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Stability and Storage

Shipped at 4°C. Store at -20°C. Store under desiccating conditions.

pH: 7.40

Constituents: 99% Phosphate Buffer, 0.75% Sodium chloride

Lyophilised from a 0.2µm filtered concentrated solution.

This product is an active protein and may elicit a biological response in vivo, handle with caution.

Reconstitution

Centrifuge vial prior to opening. Add sterile distilled water or aqueous buffer to a concentration of 0.1-1.0 mg/ml. Further dilutions should be made in appropriate buffered solutions. Upon reconstitution, the preparation is stable for up to one week at 2 -4°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -80°C. Avoid repeated freeze/thaw cycles.

General Info

Function

Has antimicrobial activity. Synergistic effects with lysozyme and DEFB103.

Tissue specificity

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.

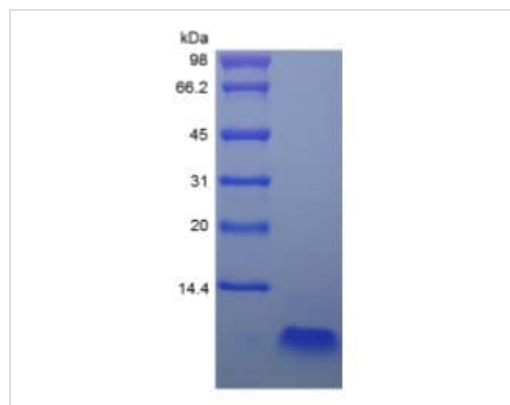
Sequence similarities

Belongs to the beta-defensin family.

Cellular localization

Secreted.

Images



SDS-PAGE analysis of ab218675.

SDS-PAGE - Recombinant human DEFB-4 protein
(Active) (ab218675)

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

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