

Active Recombinant Human DEFB4B

Cat. No. DEFB4B-009H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DEFB4B (O15263, 24 a.a. - 64 a.a.) partial recombinant protein expressed in Escherichia coli.
Species	Human
Source	Human
ProteinLength	24-64 a.a.
Description	Beta-defensin 4B is a protein that in humans is encoded by the DEFB4B gene. Defensins form a family of microbicidal and cytotoxic peptides made by neutrophils. Members of the defensin family are highly similar in protein sequence. This gene encodes defensin, beta 4B, an antimicrobial peptide implicated in the resistance of epithelial surfaces to microbial colonization.
Sequence	VFGGIGDPVT CLKSGAICHP VFCPRRYKQI GTCGLPGTKC CKKP
Theoretical MW (kDa)	4
Form	Lyophilized
Preparation Method	E. coli expression system
Purity	> 98% by SDS-PAGE and HPLC

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Endotoxin Level	< 0.1 ng/ug (1 EU/ug)
Activity	The ED50 was determined by its ability to chemoattract immature human dendritic cells using a concentration range of 1-50 ng/mL.
Application	SDS-PAGE
Storage Buffer	Lyophilized 100mM NaCl, 20mM PB, pH 7.4
Storage	Store at -20°C on dry atmosphere for 2 years. After reconstitution with deionized water, store at 4°C for 1 month or store at -20°C for 6 months. Aliquot to avoid repeated freezing and thawing.
Unitprot ID	O15263

GENE INFORMATION

Gene Name	DEFB4B defensin, beta 4B [Homo sapiens]
Official Symbol	DEFB4B
Synonyms	DEFB4P; DEFB4B; beta-defensin 4B; OTTHUMP00000223096; defensin, beta 4B, pseudogene
Gene ID	100289462
mRNA Refseq	NM_001205266
Protein Refseq	NP_001192195
Chromosome Location	8p23.1

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA