

BD1 active protein

BD1 protein

CATALOG #
AAA75578HOST
E.Coli

PRODUCT SYNONYMS

BD1; BD1 protein; BD-1 protein; beta-Defensin 1 protein; BD 1 protein; BD-1; BD 1; BD1 active protein

PRODUCT SPECIFICATIONS

Host	E.Coli
Purity/Purification	≥98% by SDS-PAGE gel and HPLC analysis
Form/Format	Lyophilized from 10mM sodium Citrate, pH 4.0. Reconstitute in 10mM Acetic Acid to 0.1-1.0mg/ml
Grade	Recombinant
Biohazard	Use standard laboratory precautions when handling this material.
Biological Significance	Defensins (alpha and beta) are cationic peptides with a broad spectrum of antimicrobial activity that comprise an important arm of the innate immune system. The α-defensins are distinguished from the beta-defensins by the pairing of their three disulfide bonds. To date, four human beta-defensins have been identified; BD-1, BD-2, BD-3 and BD-4. beta-defensins are expressed on some leukocytes and at epithelial surfaces. In addition to their direct antimicrobial activities, they are chemoattractant towards immature dendritic cells and memory T cells.
Preparation and Storage	Ships on blue ice. Upon receipt store at 4°C short term, -20°C long term. Avoid repeat freeze-thaws.

ADDITIONAL INFORMATION

Related Product Information for BD1 active protein	Purified recombinant Human BD1 protein
Product Categories/Family for BD1 active protein	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885181
NCBI GeneID	1672
NCBI Accession #	NP_005209.1
NCBI GenBank Nucleotide #	NM_005218.3
UniProt Accession #	P60022 ; Q09753
Molecular Weight	3.9 kDa
NCBI Official Full Name	beta-defensin 1 preproprotein
NCBI Official Synonym Full Names	defensin, beta 1
NCBI Official Symbol	DEFB1
NCBI Official Synonym Symbols	BD1; HBD1; DEFB-1; DEFB101

NCBI Protein Information	beta-defensin 1
UniProt Protein Name	Beta-defensin 1
UniProt Gene Name	DEFB1
UniProt Synonym Gene Names	BD1; HBD1; BD-1; hBD-1
UniProt Entry Name	DEFB1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-active-protein/bd1/75578>