

Beta Defensin -5 Recombinant Protein | BD5 recombinant protein

Recombinant Human Beta Defensin -5

CATALOG # AAA39061	HOST E Coli
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PRODUCT SYNONYMS

Beta Defensin -5; Recombinant Human Beta Defensin -5; BD5 Human; Beta Defensin-5 Human Recombinant; Beta-defensin 105; eta-defensin 5; BD-5; DEFB-5; Defensin; beta 105; DEFB105A; BD5; DEFB105; DEFB5; DEFB105B; BD5 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	Lyophilized from a 0.2 um filtered concentrated solution in PBS, pH 7.4. Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence	GLDFSQPFPS GEFAVCESCK LGRGKCRKEC LENEKPDGNC RLNFLCCRQR I
Sequence Length	78
Solubility	It is recommended to reconstitute the lyophilized Beta Defensin-5 in sterile 18M-cm H2O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Preparation and Storage	Lyophilized Beta Defensin-5 although stable at room temperature for 3 weeks, should be stored desiccated below -18 degree C. Upon reconstitution BD5 should be stored at 4 degree C between 2-7 days and for future use below -18 degree C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for BD5 recombinant protein	Description: BD5 Human Recombinant produced in E Coli is a single, non-glycosylated, polypeptide chain containing 51 amino acids and having a molecular mass of 5.8 kDa. The Beta Defensin-5 is purified by proprietary chromatographic techniques. Introduction: Defensins (alpha & beta) are cationic peptides with a wide spectrum of antimicrobial activity which include a significant arm of the innate immune system. There are 6 human beta-defensins, BD-1, BD-2, BD-3, BD-4, BD-5 and BD-6 which are expressed on some leukocytes and at epithelial surfaces. In addition to their direct antimicrobial activities, beta-defensins can act as chemoattractants towards immature dendritic cells and memory T cells. Beta-defensins contain a 6-cysteine motif which forms 3 intra-molecular disulfide bonds.
Product Categories/Family for BD5 recombinant protein	Cytokines and Growth Factors ; Cytokines ; Beta Defensin

NCBI AND UNIPROT INFORMATION

NCBI GI #	103485141
NCBI GeneID	504180
NCBI Accession #	NP_001035793.1
NCBI GenBank Nucleotide #	NM_001040703.2
UniProt Accession #	Q8NG35; Q8IZN8; A1A581

NCBI Official Full Name	beta-defensin 105
NCBI Official Synonym Full Names	defensin, beta 105B
NCBI Official Symbol	DEFB105B
NCBI Official Synonym Symbols	BD-5; DEFB-5
NCBI Protein Information	beta-defensin 105; beta-defensin 5; defensin, beta 105
UniProt Protein Name	Beta-defensin 105
UniProt Gene Name	DEFB105A
UniProt Synonym Gene Names	BD5; DEFB105; DEFB5; BD-5; DEFB-5
UniProt Entry Name	D105A_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/defb105a-recombinant-protein-e-coli/39061>