

Beta-Defensin 1 (DEFB1) Active Protein | DEFB1 active protein

Recombinant Human Beta-Defensin 1 (DEFB1)

CATALOG #
AAA214212

HOST
E Coli

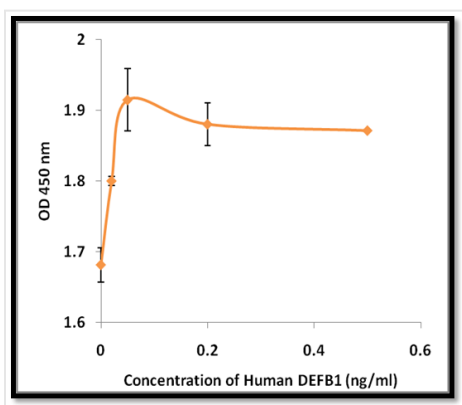
PRODUCT SYNONYMS

Beta-Defensin 1 (DEFB1); Recombinant Human Beta-Defensin 1 (DEFB1); Defensin; beta 1; DEFB1; BD-1; hBD-1; DEFB1 active protein

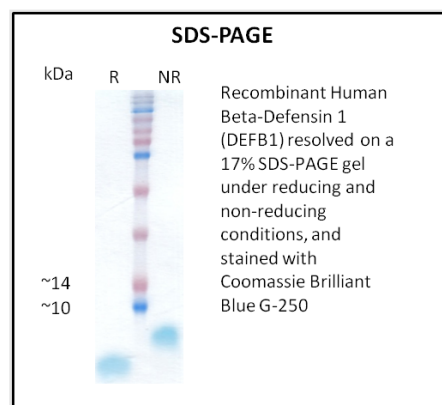
PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	Lyophilized from a 0.2 um filtered solution in PBS (pH 8)
Sequence Length	68
Bioactivity	The ED50 was determined by its ability to chemoattract CD34+ dendritic cells using a concentration range of 0.1-1.0 ug/mL.
Endotoxin Level	<1.0 EU/ug of recombinant protein as determined by the LAL method
Reconstitution	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Preparation and Storage	The lyophilized protein is stable for at least one year from date of receipt at -70 degree C. Upon reconstitution, this cytokine can be stored in working aliquots at 2-8 degree C for one month, or at -20 degree C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for DEFB1 active protein	Defensins are a large family of peptides of which two groups exist in mammals: alpha defensins and beta defensins- which are distinguishable by the spacing and connectivity of the conserved cysteine residues within the mature peptides. It is thought that the function of defensins in the eradication of pathogens from the host system is to insert themselves into the bacterial membrane under the influence of membrane potential, in doing so form channels which lead to leakage of cytoplasmic molecules and cell death. Human beta-defensin-1, which has 36 amino acids, was originally isolated from hemofiltrates of patients with advanced renal failure. The BD-1 gene is expressed mainly in the urogenital tract and, to a lesser degree, in trachea and lung, BD-1 is believed to function in the antimicrobial defense of the urogenital and respiratory tracts.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4885181
NCBI GeneID	1672
NCBI Accession #	NP_005209.1
NCBI GenBank Nucleotide #	NP_005209.1
UniProt Accession #	P60022
Molecular Weight	4.2 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.