

Beta-Defensin 3 (DEFB103A) Active Protein | DEFB103A active protein

Recombinant Human Beta-Defensin 3 (DEFB103A)

CATALOG #
AAA214214

HOST
E Coli

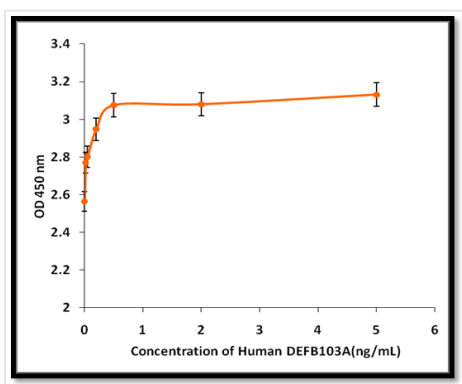
PRODUCT SYNONYMS

Beta-Defensin 3 (DEFB103A); Recombinant Human Beta-Defensin 3 (DEFB103A); Beta-defensin 3; BD-3; DEFB-3; HBD3; hBD-3; Defensin; beta 103; Defensin-like protein; BD3; DEFB103; DEFB3; DEFB103A active protein

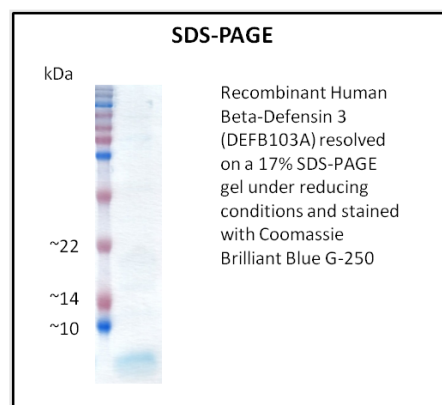
PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	Lyophilized from 0.2 um filtered 100 mM NaCl, 20 mM PB, pH 7.4.
Sequence Length	67
Bioactivity	The ED(50) was Determined by its antimicrobial resistance to E.Coli and was determined to be < 3.0 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 DEFB103A 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. Unlike hBD-1, this second peptide, human beta-defensin-2 (hBD-2), is regulated at a transcriptional level in response to contact with microorganisms, and is highly effective in killing the gram negative bacteria. Its expression is also upregulated by the cytokine tumor necrosis factor-alpha.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	8923890
NCBI Accession #	NP_061131.1
NCBI GenBank Nucleotide #	NP_061131.1
UniProt Accession #	P81534
Molecular Weight	5.4 kDa
NCBI Official Full Name	beta-defensin 103
UniProt Protein Name	Beta-defensin 103
UniProt Gene Name	DEFB103A
UniProt Synonym Gene Names	BD3; DEFB103; DEFB3; BD-3; DEFB-3; HBD3; hBD-3
UniProt Entry Name	D103A_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/beta-defensin-3-defb103a/214214>