

Beta-Defensin 2 (DEFB4A) Active Protein | DEFB4A active protein

Recombinant Human Beta-Defensin 2 (DEFB4A)

CATALOG #
AAA214213

HOST
E Coli

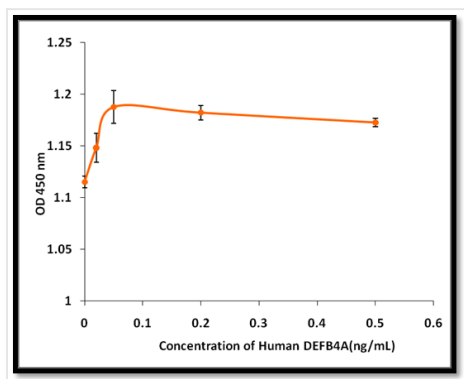
PRODUCT SYNONYMS

Beta-Defensin 2 (DEFB4A); Recombinant Human Beta-Defensin 2 (DEFB4A); Beta-defensin 4A; BD-2; hBD-2; Defensin; beta 2; Skin-antimicrobial peptide 1; SAP1; DEFB102; DEFB2; DEFB4; DEFB4A active protein

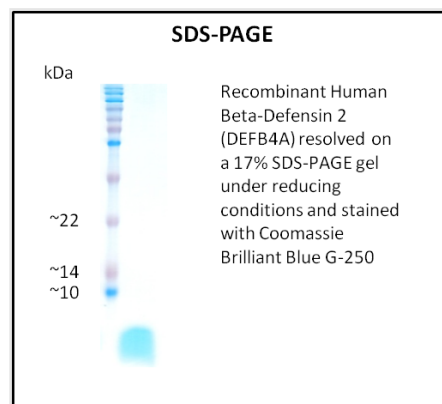
PRODUCT SPECIFICATIONS

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	64
Bioactivity	The ED50 was determined by its ability to chemoattract immature human dendritic cells using a concentration range of 1-50 ng/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 DEFB4A 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 forms 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 #	3023383
NCBI GeneID	1673
UniProt Accession #	O15263
Molecular Weight	4.6 kDa
NCBI Official Full Name	Beta-defensin 4A
NCBI Official Synonym Full Names	defensin beta 4A
NCBI Official Symbol	DEFB4A
NCBI Official Synonym Symbols	BD-2; SAP1; DEFB2; DEFB4; HBD-2; DEFB-2; DEFB102
NCBI Protein Information	beta-defensin 4A
UniProt Protein Name	Beta-defensin 4A
UniProt Gene Name	DEFB4A
UniProt Synonym Gene Names	DEFB102; DEFB2; DEFB4; BD-2; hBD-2; SAP1
UniProt Entry Name	DFB4A_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-2-defb4a/214213>