

Beta-Defensin 2 (DEFB2) Active Protein | DEFB2 active protein

Recombinant Mouse Beta-Defensin 2 (DEFB2)

CATALOG # AAA214326	HOST E Coli	REACTIVITY Mouse (M. musculus)
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PRODUCT SYNONYMS

Beta-Defensin 2 (DEFB2); Recombinant Mouse Beta-Defensin 2 (DEFB2); BD-2; mBD-2; Defensin; beta 2; Defb2; DEFB2 active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Reactivity	Mouse (M. musculus)
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	71
Endotoxin Level	<1.0 EU/ug of recombinant protein as determined by the LAL method.
Function	The ED(50) was Determined by its ability to chemoattract immature human dendritic cells using a concentration range of 1-50 ng/mL.
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.

ADDITIONAL INFORMATION

Related Product Information for DEFB2 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 forming 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 #	80478968
NCBI GeneID	13215
UniProt Accession #	P82020
Molecular Weight	6.0 kDa
NCBI Official Full Name	Defensin beta 2
NCBI Official Synonym Full Names	defensin beta 2

NCBI Official Symbol	Defb2
NCBI Official Synonym Symbols	BD-2
NCBI Protein Information	beta-defensin 2
UniProt Protein Name	Beta-defensin 2
UniProt Gene Name	Defb2
UniProt Synonym Gene Names	BD-2; mBD-2
UniProt Entry Name	DEFB2_MOUSE

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-mouse-active-protein/beta-defensin-2-defb2/214326>