Beta-Defensin 1 (DEFB1) Goat Recombinant Protein

PRODUCT OVERVIEW

Product Name	Beta-defensin 1 (DEFB1), Recombinant Protein
Full Product Name	Recombinant Goat Beta-defensin 1 (DEFB1)
Product Gene Name	DEFB1 recombinant protein
Product Synonym Gene Name	DEFB1
Product Synonym Names	Recombinant Beta-defensin 1 (DEFB1); Beta-defensin 1; BD-1; Defensin, beta 1
Sequence	SRRS CHRNKGVCAL TRCPRNMRQI GTCFGPPVKC CRKK
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degree C. For extended storage, store at -20 or -80 degree C.
Molecular Weight	7,258 Da
Sequence Positions	27-64aa; Cytoplasmic domain
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for O97946
Species	Capra hircus (Goat)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for DEFB1 recombinant protein	Defensins form a family of microbicidal and cytotoxic peptides made by neutrophils. Members of the defensin family are highly similar in protein sequence. This gene encodes defensin, beta 1, an antimicrobial peptide implicated in the resistance of epithelial surfaces to microbial colonization. This gene maps in close proximity to defensin family member, defensin, alpha 1 and has been implicated in the pathogenesis of cystic fibrosis.
Other Notes	Small volumes of DEFB1 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for DEFB1 purchase	MBS1257140 is a recombinant protein targeting DEFB1. Also known as Recombinant Goat Beta-defensin 1 (DEFB1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DEFB1. It may not necessarily be applicable to this product.

NCBI GI #	5915768
NCBI Accession #	O97946.1
UniProt Primary Accession #	O97946
NCBI Official Full Name	Beta-defensin 1

UniProt Protein Name	Beta-defensin 1
UniProt Synonym Protein Names	Defensin, beta 1
Protein Family	Beta-defensin
UniProt Gene Name	DEFB1
UniProt Synonym Gene Names	BD-1
UniProt Entry Name	DEFB1_CAPHI
UniProt Comments for DEFB1	Function: Has bactericidal activity By similarity. Subcellular location: Secreted. Sequence similarities: Belongs to the beta-defensin family.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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