Peptide Deformylase 1 (def1) Bordetella Bronchiseptica Recombinant Protein

PRODUCT OVERVIEW

Product Name	Peptide deformylase 1 (def1), Recombinant Protein
Full Product Name	Recombinant Bordetella bronchiseptica Peptide deformylase 1 (def1)
Product Gene Name	def1 recombinant protein
Product Synonym Gene Name	def1
Sequence	MALLSILRYP DPRLHKTAKP VAVVDDRIRQ LVRDMADTMY DAPGVGLAAT QVDVHERVVV IDVSEEGNDL RVLINPEITW KSDERQTYEE GCLSVPGIYD EVERAARIRC KALDQQGQPY EFEADGLLAV CVQHEIDHLD GKVFVEYLSN LKQNRIKTKL KKAEREAERA
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 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	19,329 Da
Sequence Positions	1-170, Full length protein
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 Q7WQS9
Species	Bordetella bronchiseptica (strain BAA-588 / 13252 / RB50) (Alcaligenes bronchisepticus)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for def1 recombinant protein	MBS1384795 is a recombinant protein targeting def1. Also known as Recombinant Bordetella bronchiseptica Peptide deformylase 1 (def1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of def1 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for def1. It may not necessarily be applicable to this product.

NCBI GI #	489903871
NCBI Accession #	WP_003807300.1
UniProt Primary Accession #	Q7WQS9
GenBank Nucleotide #	WP_003807300.1
NCBI Official Full Name	MULTISPECIES: peptide deformylase
UniProt Protein Name	Peptide deformylase 1

UniProt Synonym Protein Names	Polypeptide deformylase 1
Protein Family	Peptide deformylase
UniProt Gene Name	def1
UniProt Synonym Gene Names	PDF 1
UniProt Comments for def1	Removes the formyl group from the N-terminal Met of newly synthesized proteins. Requires at least a dipeptide for an efficient rate of reaction. N-terminal L-methionine is a prerequisite for activity but the enzyme has broad specificity at other positions.
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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