Peptide Deformylase (def) Clostridium Thermocellum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Peptide deformylase (def), Recombinant Protein
Full Product Name	Recombinant Clostridium thermocellum Peptide deformylase (def)
Product Gene Name	def recombinant protein
Product Synonym Gene Name	def; Cthe_0567
Product Synonym Names	Peptide deformylase; PDF; EC=3.5.1.88; Polypeptide deformylase
Sequence	MAVRFIREDG DEILRKVSKK VDVIDERIKT LLDDMAETMY AANGVGLAAP QVGVLKRVVV IDVGDGLMEL INPEIVEQEG EQIDIEGCLS IPGVAGEVKR PARVVVEALN REGEKITVEG KELLAVALCH EIDHLDGILF TDKVIRFIDE DEMERRRENK RRNKIRQNKG
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	19,085 Da
Sequence Positions	1-170aa; 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 A3DCX4
Species	Clostridium thermocellum (strain 27405 / DSM 1237)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for def recombinant protein	MBS1215614 is a recombinant protein targeting def. Also known as Recombinant Clostridium thermocellum Peptide deformylase (def). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of def 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 def. It may not necessarily be applicable to this product.

NCBI GI #	125973086
NCBI GeneID	4808242
NCBI Accession #	YP_001036996.1
UniProt Primary Accession #	A3DCX4
UniProt Related Accession #	A3DCX4

GenBank Nucleotide #	NC_009012.1
NCBI Official Full Name	peptide deformylase
NCBI Official Symbol	def
UniProt Protein Name	Peptide deformylase
UniProt Synonym Protein Names	Polypeptide deformylase
Protein Family	Peptide deformylase
UniProt Gene Name	def
UniProt Synonym Gene Names	PDF
UniProt Entry Name	DEF_CLOTH
NCBI Protein Information	peptide deformylase
UniProt Comments for def	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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