Peptide Deformylase (def) Recombinant Protein

PRODUCT OVERVIEW

Product Name	Peptide deformylase (def), Recombinant Protein
Full Product Name	Recombinant Leptospira interrogans serogroup Icterohaemorrhagiae serovar copenhageni Peptide deformylase (def)
Product Gene Name	def recombinant protein
Product Synonym Gene Name	def
Sequence	MSVRKILRMG DPILRKISEP VTEDEIQTKE FKKLIRDMFD TMRHAEGVGL AAPQIGILKQ IVVVGSEDNE RYPGTPDVPE RIILNPVITP LTKDTSGFWE GCLSVPGMRG YVERPNQIRM QWMDEKGNQF DETIDGYKAI VYQHECDHLQ GILYVDRLKD TKLFGFNETL DSSHNVLD
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	20,379 Da
Sequence Positions	1-178, 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 Q72S74
Species	Leptospira interrogans serogroup Icterohaemorrhagiae serovar copenhageni (strain Fiocruz L1-130)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for def recombinant protein	MBS1348300 is a recombinant protein targeting def. Also known as Recombinant Leptospira interrogans serogroup Icterohaemorrhagiae serovar copenhageni 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 #	446038388
NCBI Accession #	WP_000116243.1
UniProt Primary Accession #	Q72S74
GenBank Nucleotide #	WP_000116243.1
NCBI Official Full Name	peptide deformylase

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 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.
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