Nodulation Protein NolK (nolK) Azorhizobium Caulinodans Recombinant Protein

PRODUCT OVERVIEW

Product Name	Nodulation protein nolK (nolK), Recombinant Protein
Full Product Name	Recombinant Azorhizobium caulinodans Nodulation protein nolK (nolK)
Product Gene Name	nolK recombinant protein
Sequence	MGKGKKLLIT GGRGMVGRNL IACAARSGWE IIAPTSVDLD LRNAEAVEQY IRRQLPDVVV HAAGVVGGIH ANIADPIHFL ADNAAMALNV VMSSFRSEVV TLINLSSSCM YPACIEGPLK ECDILRGPFE VTNEGYALAK TVGLKICEYI DKLPNFNYKT LIACNLYGVG DNFDPRRSHL LPAIIEKIHK ASQCGSESVS IWGDGTARRE FMFAYDFAKI IIKALEVPEL IPSSMNVGVG KDLSVLEYYS LVARVIGWSG EFVYDLNRPV GMRSKLMDIT HLTALGWVPE RSLEGGIRST YQYYITGNEV YE
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	34,301 Da
Sequence Positions	1-312, 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 P33217
Species	Azorhizobium caulinodans (strain 43989 / DSM 5975 / ORS 571)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for nolK recombinant protein	MBS1251438 is a recombinant protein targeting nolK. Also known as Recombinant Azorhizobium caulinodans Nodulation protein nolK (nolK). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of nolK 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 nolK. It may not necessarily be applicable to this product.

NCBI GI #	7404401
NCBI Accession #	P33217.2
UniProt Primary Accession #	P33217
UniProt Secondary Accession #	A8IPA5
NCBI Official Full Name	GDP-L-fucose synthase
UniProt Protein Name	GDP-L-fucose synthase

UniProt Synonym Protein Names	GDP-4-keto-6-deoxy-D-mannose-3,5-epimerase-4-reductase
UniProt Gene Name	fcl
UniProt Comments for nolK	Catalyzes the two-step NADP-dependent conversion of GDP-4-dehydro-6-deoxy-D-mannose to GDP-fucose, involving an epimerase and a reductase reaction.
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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