Nod Factor Export ATP-Binding Protein I (nodI) Burkholderia Pseudomallei Recombinant Protein

PRODUCT OVERVIEW

Product Name	Nod factor export ATP-binding protein I (nodI), Recombinant Protein
Full Product Name	Recombinant Burkholderia pseudomallei Nod factor export ATP-binding protein I (nodI)
Product Gene Name	nodI recombinant protein
Product Synonym Gene Name	nodI
Sequence	MSVAPIDFQQ VEKRYDDKLV VDGLSFHVQP GECFGLLGPN GAGKTTTLKM LLGITHPDAG SISLCGEPVP SRARHARQRV GVVPQFDNLD PDFTVRENLL VFARYFGLTA HAARALVPPL LEFAKLESKA DAKVGELSGG MKRRLTLARA LVNDPDVLVL DEPTTGLDPQ ARHLMWERLR SLLARGKTIL LTTHFMEEAE RLCHRLCVIE EGRKIAEGAP RMLIEAEIGC DVIEIYGPDP VQLRDELAPF AERTEISGET LFCYVDNPEP IHARLKGRAG LRYLHRPANL EDVFLRLTGR EMLD
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	33,833 Da
Sequence Positions	1-304, 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 Q3JSQ0
Species	Burkholderia pseudomallei (strain 1710b)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for nodI recombinant protein	MBS1325214 is a recombinant protein targeting nodI. Also known as Recombinant Burkholderia pseudomallei Nod factor export ATP-binding protein I (nodI). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of nodI 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 nodI. It may not necessarily be applicable to this product.

NCBI GI #	124015173
NCBI Accession #	Q3JSQ0.2
UniProt Primary Accession #	Q3JSQ0
NCBI Official Full Name	Nod factor export ATP-binding protein I

UniProt Protein Name	Nod factor export ATP-binding protein I
UniProt Synonym Protein Names	Nodulation ATP-binding protein I
Protein Family	Nod factor export ATP-binding protein
UniProt Gene Name	nodI
UniProt Comments for nodI	Part of the ABC transporter complex NodIJ involved in the export of the nodulation factors (Nod factors), the bacterial signal molecules that induce symbiosis and subsequent nodulation induction. Nod factors are LCO (lipo-chitin oligosaccharide), a modified beta-1,4-linked N-acetylglucosamine oligosaccharide. This subunit is responsible for energy coupling to the transport system.
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