Murein Hydrolase Activator Nlpd (nlpD) Salmonella Typhimurium Recombinant Protein

PRODUCT OVERVIEW

Product Name	Murein hydrolase activator NlpD (nlpD), Recombinant Protein
Full Product Name	Recombinant Salmonella typhimurium Murein hydrolase activator NlpD (nlpD)
Product Gene Name	nlpD recombinant protein
Sequence	CTSSSNPPAP VTSVDSGSSS NTNSGMLITP PPKMGATTQQ TPQQAPQIQP VQRPVTQPMQ TQPVTEQPVQ MENGRIVYNR QYGNIPKGSY TGGSTYTVKK GDTLFYIAWI TGNDFRDLAQ RNSISAPYSL NVGQTLQVGN ASGTPITGGN AITQADAAQQ GVVTRSAQNS TVAVASQPTI TYSEGSGEQS ANKMLPNNKP AGTVVTAPVT APTVSTTEPN ASSTSTSAPI SAWRWPTDGK VIENFGASEG GNKGIDIAGS KGQAIVATAD GRVVYAGNAL RGYGNLIIIK HNDDYLSAYA HNDTMLVREQ QEVKAGQKIA TMGSTGTSST RLHFEIRYKG KSVNPLRYLP QR
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	39,641 Da
Sequence Positions	26-377aa; Full-Length of the Mature 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 P40827
Species	Salmonella typhimurium (strain LT2 / SGSC1412 / 700720)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for nlpD recombinant protein	MBS1255736 is a recombinant protein targeting nlpD. Also known as Recombinant Salmonella typhimurium Murein hydrolase activator NlpD (nlpD). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of nlpD 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 nlpD. It may not necessarily be applicable to this product.

NCBI GI #	16766231
NCBI GeneID	1254448
NCBI Accession #	NP_461846.1
UniProt Primary Accession #	P40827
UniProt Related Accession #	P40827
GenBank Nucleotide #	NC_003197.2

NCBI Official Full Name	lipoprotein NlpD
NCBI Official Symbol	nlpD
UniProt Protein Name	Murein hydrolase activator NlpD
Protein Family	Lipoprotein
UniProt Gene Name	nlpD
NCBI Protein Information	lipoprotein NlpD
UniProt Comments for nlpD	Activator of the cell wall hydrolase AmiC. Required for septal murein cleavage and daughter cell separation during cell division ().
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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