Linear Gramicidin Synthase Subunit D (Lgrd), Partial (lgrD) Recombinant Protein

PRODUCT OVERVIEW

Product Name	Linear gramicidin synthase subunit D (lgrD), partial, Recombinant Protein
Full Product Name	Recombinant Linear gramicidin synthase subunit D (lgrD), partial
Product Gene Name	lgrD recombinant protein
Product Synonym Names	Linear gramicidin synthase subunit D; Including the following 6 domains:; ATP-dependent tryptophan adenylase; TrpA; Tryptophan activase; ATP-dependent D-leucine adenylase; D-LeuA; D-Leucine activase; Leucine racemase [ATP-hydrolyzing]; EC=5.1.1.-; ATP-dep
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	567,458 Da
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 Q70LM4
Species	Brevibacillus parabrevis
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for lgrD recombinant protein	MBS1309247 is a recombinant protein targeting lgrD. Also known as Recombinant Linear gramicidin synthase subunit D (lgrD), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of lgrD 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 lgrD. It may not necessarily be applicable to this product.

NCBI GI #	75520418
NCBI Accession #	Q70LM4.1
UniProt Primary Accession #	Q70LM4
NCBI Official Full Name	Linear gramicidin synthase subunit D
UniProt Protein Name	Linear gramicidin synthase subunit D
UniProt Synonym Protein Names	D-leucine activase
Protein Family	Linear gramicidin synthase
UniProt Gene Name	lgrD

UniProt Synonym Gene Names	D-LeuA; TrpA; GlyA
UniProt Entry Name	LGRD_BREPA
UniProt Comments for lgrD	Activates the 13th to the 16th (Trp, D-Leu, Trp and Gly) amino acids in linear gramicidin and catalyzes the formation of the peptide bond between them. This enzyme is also responsible for the epimerization of the 14th (D-Leu) amino acid. It also catalyzes the NAD(P)H-dependent reduction of the C-terminal glycine residue of the N-formylated 16-mer peptide, that binds to the peptidyl carrier domain of the terminal module of this protein, to form a peptidyl-aldehyde intermediate that is released from the enzyme complex.
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/recombinant-protein/linear-gramicidin-synthase-subunit-d-lgrd-partial/1309247