Linalool 8-Monooxygenase (linC) Pseudomonas Putida Recombinant Protein

PRODUCT OVERVIEW

Product Name	Linalool 8-monooxygenase (linC), Recombinant Protein
Full Product Name	Recombinant Pseudomonas putida Linalool 8-monooxygenase (linC)
Product Gene Name	linC recombinant protein
Product Synonym Gene Name	linC
Sequence	MERPDLKNPD LYTQQVPHDI FARLRREEPV YWNPESDGSG FWAVLRHKDI IEVSRQPLLF SSAYENGGHR IFNENEVGLT NAGEAAVGVP FISLDPPVHT QYRKVIMPAL SPARLGDIEQ RIRVRAEALI ERIPLGEEVD LVPLLSAPLP LLTLAELLGL DPDCWYELYN WTNAFVGEDD PEFRKSPEDM AKVLGEFMGF CQELFESRRA NPGPDIATLL ANAEINGQPV ALRDFIGNLT LTLVGGNETT RNSISHTIVT LSQQPDQWDI LRQRPELLKT ATAEMVRHAS PVLHMRRTAM EDTEIGGQAI AKGDKVVLWY ASGNRDESVF SDADRFDVTR TGVQHVGFGS GQHVCVGSRL AEMQLRVVFE ILSTRVKRFE LCSKSRRFRS NFLNGLKNLN VVLVPK
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	45,637 Da
Sequence Positions	1-406, 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 Q59723
Species	Pseudomonas putida (Arthrobacter siderocapsulatus)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for linC recombinant protein	MBS1348472 is a recombinant protein targeting linC. Also known as Recombinant Pseudomonas putida Linalool 8-monooxygenase (linC). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of linC 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 linC. It may not necessarily be applicable to this product.

NCBI GI #	23396527
NCBI Accession #	Q59723.1
UniProt Primary Accession #	Q59723
NCBI Official Full Name	Linalool 8-monooxygenase

UniProt Protein Name	Linalool 8-monooxygenase
UniProt Synonym Protein Names	Cytochrome P450 111; Cytochrome P450lin
Protein Family	2,5-dichloro-2,5-cyclohexadiene-1,4-diol dehydrogenase
UniProt Gene Name	linC
UniProt Synonym Gene Names	cyp111
UniProt Comments for linC	Catalyzes the 8-methyl hydroxylation of linalool.
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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