Acyl-Homoserine Lactone Acylase Quip (quiP) Pseudomonas Syringae Pv. Tomato Recombinant Protein

PRODUCT OVERVIEW

Product Name	Acyl-homoserine lactone acylase quiP (quiP), Recombinant Protein
Full Product Name	Recombinant Pseudomonas syringae pv. tomato Acyl-homoserine lactone acylase quiP (quiP), partial
Product Gene Name	quiP recombinant protein
Product Synonym Gene Name	quiP
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	89,953 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 Q87XP3
Species	Pseudomonas syringae pv. tomato (strain DC3000)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for quiP recombinant protein	MBS1355997 is a recombinant protein targeting quiP. Also known as Recombinant Pseudomonas syringae pv. tomato Acyl-homoserine lactone acylase quiP (quiP), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of quiP 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 quiP. It may not necessarily be applicable to this product.

NCBI GI #	28871275
NCBI GeneID	1185813
NCBI Accession #	NP_793894.1
UniProt Primary Accession #	Q87XP3
UniProt Related Accession #	Q87XP3
GenBank Nucleotide #	NC_004578.1
NCBI Official Full Name	penicillin amidase family protein
NCBI Official Symbol	PSPTO_4133

UniProt Protein Name	Acyl-homoserine lactone acylase QuiP
Protein Family	Acyl-homoserine lactone acylase
UniProt Gene Name	quiP
UniProt Synonym Gene Names	AHL acylase QuiP; Acyl-HSL acylase QuiP; Acyl-HSL acylase QuiP subunit alpha; Acyl-HSL acylase QuiP subunit beta
NCBI Protein Information	penicillin amidase family protein
UniProt Comments for quiP	Catalyzes the deacylation of acyl-homoserine lactone (AHL or acyl-HSL), releasing homoserine lactone (HSL) and the corresponding fatty acid. Possesses a specificity for the degradation of long-chain acyl-HSLs (side chains of seven or more carbons in length) ().
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