Acyl-Homoserine Lactone Acylase Pvdq (pvdQ) Pseudomonas Putida Recombinant Protein

PRODUCT OVERVIEW

Product Name	Acyl-homoserine lactone acylase pvdQ (pvdQ), Recombinant Protein
Full Product Name	Recombinant Pseudomonas putida Acyl-homoserine lactone acylase pvdQ (pvdQ), partial
Product Gene Name	pvdQ recombinant protein
Product Synonym Gene Name	pvdQ
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	83,333 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 Q88IU8
Species	Pseudomonas putida (strain KT2440)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pvdQ recombinant protein	MBS1354494 is a recombinant protein targeting pvdQ. Also known as Recombinant Pseudomonas putida Acyl-homoserine lactone acylase pvdQ (pvdQ), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of pvdQ 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 pvdQ. It may not necessarily be applicable to this product.

NCBI GI #	26989620
NCBI GeneID	1042814
NCBI Accession #	NP_745045.1
UniProt Primary Accession #	Q88IU8
UniProt Related Accession #	Q88IU8
GenBank Nucleotide #	NC_002947.4
NCBI Official Full Name	acyl-homoserine lactone acylase
NCBI Official Symbol	pvdQ

UniProt Protein Name	Acyl-homoserine lactone acylase PvdQ
Protein Family	Acyl-homoserine lactone acylase
UniProt Gene Name	pvdQ
UniProt Synonym Gene Names	AHL acylase PvdQ; Acyl-HSL acylase PvdQ; Acyl-HSL acylase PvdQ subunit alpha; Acyl-HSL acylase PvdQ subunit beta
NCBI Protein Information	acyl-homoserine lactone acylase PvdQ
UniProt Comments for pvdQ	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 11 to 14 carbons in length) ().
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