Glycine Dehydrogenase [Decarboxylating] (gcvP) Idiomarina Loihiensis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Glycine dehydrogenase [decarboxylating] (gcvP), Recombinant Protein
Full Product Name	Recombinant Idiomarina loihiensis Glycine dehydrogenase [decarboxylating] (gcvP), partial
Product Gene Name	gcvP recombinant protein
Product Synonym Gene Name	gcvP
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	105,779 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 Q5R192
Species	Idiomarina loihiensis (strain BAA-735 / DSM 15497 / L2-TR)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for gcvP recombinant protein	MBS1310111 is a recombinant protein targeting gcvP. Also known as Recombinant Idiomarina loihiensis Glycine dehydrogenase [decarboxylating] (gcvP), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of gcvP 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 gcvP. It may not necessarily be applicable to this product.

NCBI GI #	499554537
NCBI Accession #	WP_011235320.1
UniProt Primary Accession #	Q5R192
GenBank Nucleotide #	WP_011235320.1
NCBI Official Full Name	glycine dehydrogenase
UniProt Protein Name	Glycine dehydrogenase (decarboxylating)
UniProt Synonym Protein Names	Glycine cleavage system P-protein
Protein Family	Glycine dehydrogenase

UniProt Gene Name	gcvP
UniProt Comments for gcvP	The glycine cleavage system catalyzes the degradation of glycine. The P protein binds the alpha-amino group of glycine through its pyridoxal phosphate cofactor; CO2 is released and the remaining methylamine moiety is then transferred to the lipoamide cofactor of the H protein.
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