Glycine Dehydrogenase [Decarboxylating] 2 (gcvP2) Pseudomonas Aeruginosa Recombinant Protein

PRODUCT OVERVIEW

Product Name	Glycine dehydrogenase [decarboxylating] 2 (gcvP2), Recombinant Protein
Full Product Name	Recombinant Pseudomonas aeruginosa Glycine dehydrogenase [decarboxylating] 2 (gcvP2), partial
Product Gene Name	gcvP2 recombinant protein
Product Synonym Gene Name	gcvP2
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	104,711 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 Q9HTX7
Species	Pseudomonas aeruginosa (strain 15692 / PAO1 / 1C / PRS 101 / LMG 12228)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for gcvP2 recombinant protein	MBS1376922 is a recombinant protein targeting gcvP2. Also known as Recombinant Pseudomonas aeruginosa Glycine dehydrogenase [decarboxylating] 2 (gcvP2), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of gcvP2 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 gcvP2. It may not necessarily be applicable to this product.

NCBI GI #	15600406
NCBI GeneID	880606
NCBI Accession #	NP_253900.1
UniProt Primary Accession #	Q9HTX7
UniProt Related Accession #	Q9HTX7
GenBank Nucleotide #	NC_002516.2
NCBI Official Full Name	glycine dehydrogenase
NCBI Official Symbol	gcvP1

UniProt Protein Name	Glycine dehydrogenase (decarboxylating) 2
UniProt Synonym Protein Names	Glycine cleavage system P-protein 2; Glycine decarboxylase 2; Glycine dehydrogenase (aminomethyl-transferring) 2
UniProt Gene Name	gcvP2
NCBI Protein Information	glycine dehydrogenase
UniProt Comments for gcvP2	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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