

Glycine dehydrogenase [decarboxylating], mitochondrial (GDCSP), Recombinant Protein

Cat *RP15839*

Species

Solanum tuberosum (Potato)

Full Product Name

Recombinant Solanum tuberosum Glycine dehydrogenase [decarboxylating], mitochondrial (GDCSP), partial

Product Gene Name

GDCSP recombinant protein

Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

Host

E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight

112,914 Da

Storage

Store at -20°C. For long-term storage, store at -20°C or -80°C. Store working aliquots at 4°C for up to one week. Repeated freezing and thawing is not recommended.

NCBI Accession

NP_001305600.1

NCBI GI

972781147

NCBI GenBank Nucleotide

NM_001318671.1

NCBI GeneID

102601213

NCBI Official Full Name

glycine dehydrogenase (decarboxylating), mitochondrial

NCBI Official Symbol

LOC102601213

NCBI Official Synonym Symbols

gdcsP

NCBI Protein Information

glycine dehydrogenase (decarboxylating), mitochondrial

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Glycine dehydrogenase [decarboxylating], mitochondrial (GDCSP), Recombinant Protein

Cat *RP15839*

UniProt Gene Name

GDCSP

UniProt Protein Name

Glycine dehydrogenase (decarboxylating), mitochondrial

UniProt Synonym Protein Names

Glycine cleavage system P protein; Glycine decarboxylase; Glycine dehydrogenase (aminomethyl-transferring)

UniProt Primary Accession

O49954

UniProt Related Accession

O49954

UniProt Comments

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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