Cytochrome B6-F Complex Subunit 5 (petG) Beta Vulgaris Recombinant Protein

PRODUCT OVERVIEW

Product Name	Cytochrome b6-f complex subunit 5 (petG), Recombinant Protein
Full Product Name	Recombinant Beta vulgaris Cytochrome b6-f complex subunit 5 (petG), partial
Product Gene Name	petG recombinant protein
Sequence	MIEVFLFGIV LGLIPITLAG LFVTAYLQYR RGDQLDL
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	4,170 Da
Sequence Positions	1-37
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 P69454
Species	Beta vulgaris (Sugar beet)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for petG recombinant protein	MBS1250594 is a recombinant protein targeting petG. Also known as Recombinant Beta vulgaris Cytochrome b6-f complex subunit 5 (petG), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of petG 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 petG. It may not necessarily be applicable to this product.

NCBI GI #	61229829
NCBI Accession #	P69454.1
UniProt Primary Accession #	P69454
UniProt Secondary Accession #	P12121; P32973
NCBI Official Full Name	Cytochrome b6-f complex subunit 5
UniProt Protein Name	Cytochrome b6-f complex subunit 5
UniProt Synonym Protein Names	Cytochrome b6-f complex subunit PetG
Protein Family	Cytochrome b6-f complex

UniProt Gene Name	petG
UniProt Comments for petG	Component of the cytochrome b6-f complex, which mediates electron transfer between photosystem II (PSII) and photosystem I (PSI), cyclic electron flow around PSI, and state transitions. PetG is required for either the stability or assembly of the cytochrome b6-f complex.
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