37 kDa inner envelope membrane protein, chloroplastic (E37), Recombinant Protein

CD BioSciences
Plant Protein

Cat *RP19728*

Species
Spinacia oleracea (Spinach)

Full Product Name
Recombinant Spinacia oleracea 37 kDa inner envelope membrane protein, chloroplastic, partial

Product Gene Name
E37 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
38,976 Da

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

NCBI Accession
P23525.1

NCBI GI
124429

NCBI Official Full Name
2-methyl-6-phytyl-1,4-hydroquinone methyltransferase, chloroplastic

UniProt Gene Name
E37

UniProt Synonym Gene Names
E37

UniProt Protein Name
2-methyl-6-phytyl-1,4-hydroquinone methyltransferase, chloroplastic

UniProt Synonym Protein Names
37 kDa inner envelope membrane protein; E37; MPBQ/MSBQ methyltransferase

UniProt Primary Accession
P23525

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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UniProt Comments

Involved in a key methylation step in both tocopherols (vitamin E) and plastoquinone synthesis. Catalyzes the conversion of 2-methyl-6-phytyl-1,4-hydroquinone (MPBQ) to 2,3-dimethyl-6-phytyl-1,4-hydroquinone (DMPQ, a substrate for tocopherol cyclase), and 2-methyl-6-solanyl-1,4-benzoquinone (MSBQ) to plastoquinone.

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