1,4-alpha-glucan-branching enzyme 2, chloroplastic/amyloplastic (SBE1), Recombinant Protein

CD BioSciences
Plant Protein

Cat *RP10448*

Species
Zea mays (Maize)

Full Product Name
Recombinant Zea mays 1,4-alpha-glucan-branching enzyme 2, chloroplastic/amyloplastic (SBE1), partial

Product Gene Name
SBE1 recombinant protein

Product Synonym Gene Name
SBE1

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
90,518 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.

Protein Family
1,4-alpha-glucan branching enzyme

NCBI Accession
NP_001105316.1

NCBI GI
162459706

NCBI GenBank Nucleotide
NM_001111846.2

NCBI GeneID
542238

NCBI Official Full Name
1,4-alpha-glucan-branching enzyme 2, chloroplastic/amyloplastic

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Address: SUITE 209, 17 Ramsey Road, Shirley, NY 11967
Tel: 1-631-637-0420
E-mail: info@cd-biosci.com
https://www.cd-biosciences.com/plant-protein/

1,4-alpha-glucan-branching enzyme 2, chloroplastic/amyloplastic (SBE1), Recombinant Protein

CD BioSciences
Plant Protein

Cat *RP10448*

NCBI Official Symbol
ae1

NCBI Official Synonym Symbols
SBE1; GRMZM2G032628

NCBI Protein Information
1,4-alpha-glucan-branching enzyme 2, chloroplastic/amyloplastic

UniProt Gene Name
SBE1

UniProt Protein Name
1,4-alpha-glucan-branching enzyme 2, chloroplastic/amyloplastic

UniProt Synonym Protein Names
Q-enzyme; Starch-branching enzyme IIB

UniProt Primary Accession
Q08047

UniProt Related Accession
Q08047

UniProt Comments
Catalyzes the formation of the alpha-1,6-glucosidic linkages in starch by scission of a 1,4-alpha-linked oligosaccharide from growing alpha-1,4-glucan chains and the subsequent attachment of the oligosaccharide to the alpha-1,6 position.

Address: SUITE 209, 17 Ramsey Road, Shirley, NY 11967
Tel: 1-631-637-0420
E-mail: info@cd-biosci.com
https://www.cd-biosciences.com/plant-protein/