

Probable cellulose synthase A catalytic subunit 1 [UDP-forming] (CESA1), Recombinant Protein

Cat *RP12321*

Size 1 mg (*E-Coli*)/ 1 mg (*Yeast*)

Species

Oryza sativa subsp. *indica* (Rice)

Full Product Name

Recombinant *Oryza sativa* subsp. *indica* Probable cellulose synthase A catalytic subunit 1 [UDP-forming] (CESA1), partial

Product Gene Name

CESA1 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

121,268 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.

Protein Family

Probable cellulose synthase

NCBI Accession

A2Y0X2.1

NCBI GI

171769903

NCBI Official Full Name

Probable cellulose synthase A catalytic subunit 1

UniProt Gene Name

CESA1

UniProt Protein Name

Probable cellulose synthase A catalytic subunit 1 [UDP-forming]

UniProt Synonym Protein Names

OsCesA1

UniProt Primary Accession

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Cat *RP12321*

Size *1 mg (E-Coli)/ 1 mg (Yeast)*

A2Y0X2

UniProt Comments

Catalytic subunit of cellulose synthase terminal complexes ('rosettes'), required for beta-1,4-glucan microfibril crystallization, a major mechanism of the cell wall formation.

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