

Lycopene epsilon cyclase, chloroplastic (CRTL-E-1), Recombinant Protein

Cat *RP15352*

Species

Solanum lycopersicum (Tomato) (*Lycopersicon esculentum*)

Full Product Name

Recombinant *Solanum lycopersicum* Lycopene epsilon cyclase, chloroplastic (CRTL-E-1), partial

Product Gene Name

CRTL-E-1 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

58,887 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

Lycopene epsilon cyclase

NCBI Accession

O65837.1

NCBI GI

11132841

NCBI GeneID

544129

NCBI Official Full Name

Lycopene epsilon cyclase, chloroplastic

NCBI Official Symbol

CrtL-e-1

NCBI Official Synonym Symbols

Lcy-e

NCBI Protein Information

lycopene epsilon cyclase, chloroplastic

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Lycopene epsilon cyclase, chloroplastic (CRTL-E-1), Recombinant Protein

Cat *RP15352*

UniProt Gene Name

CRTL-E-1

UniProt Protein Name

Lycopene epsilon cyclase, chloroplastic

UniProt Primary Accession

O65837

UniProt Related Accession

O65837

UniProt Comments

Catalyzes the single cyclization reaction which converts lycopene to delta-carotene and neurosporene to alpha-zeacarotene. Required for lutein biosynthesis.

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