Glucose-1-phosphate adenylyltransferase small subunit, chloroplastic/amyloplastic (LOC102577790), Recombinant Protein

CD BioSciences
Plant Protein

Cat *RP15477*

Size *0.02 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (E-Coli)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 0.1 mg (Baculovirus)/ 1 mg (E-Coli)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Yeast)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)*

Species
Solanum tuberosum (Potato)

Full Product Name
Recombinant Solanum tuberosum Glucose-1-phosphate adenylyltransferase small subunit, chloroplastic/amyloplastic

Product Gene Name
LOC102577790 recombinant protein

Purity
Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

Sequence
VSDSQNSQTC LDPDASRSVL GIILGGGAGT RLYPLTKKRA KPAVPLGANY RLIDIPVSNC LNSNISKIYV LTQFNSASLN RHLSRAYASN MGGYKNEGFV EVLAAQQSPE NPDWFQGTAD AVRQYLWLFE EHTVLEYLIL AGDHLYRMDY EKFIQAHRET DADITVAALP MDEKRATAFG LMKIDEEGRI IEFAEKPQGE QLQAMKVDTT ILGLDDKRAK EMPFIASMGI YVISKDVMLN LLRDKFPGAN DFGSEVIPGA TSLGMRVQAY LYDGYWEDIG TIEAFYNANL GITKKPVPDF SFYDRSAPIY TQPRYLPPSK MLDADVTDSV IGEGCVIKNC KIHHSVVGLR SCISEGAIIE DSLLMGADYY ETDADRKLLA AKGSVPIGIG KNCHIKRAII DKNARIGDNV KIINKDNVQE AARETDGYFI KSGIVTVIKD ALIPSGIII

Sequence Positions
73-521, Full length protein

Format
Lyophilized or liquid (Format to be determined during the manufacturing process)

Host
E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight
57,240 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
P23509.2

NCBI GI
232164

NCBI GeneID

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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E-mail: info@cd-biosci.com
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102577790

NCBI Official Full Name

Glucose-1-phosphate adenylyltransferase small subunit, chloroplastic/amyloplastic

NCBI Official Symbol

LOC102577790

NCBI Protein Information

glucose-1-phosphate adenylyltransferase small subunit, chloroplastic/amyloplastic

UniProt Protein Name

Glucose-1-phosphate adenylyltransferase small subunit, chloroplastic/amyloplastic

UniProt Synonym Protein Names

ADP-glucose pyrophosphorylase; ADP-glucose synthase; AGPase B; Alpha-D-glucose-1-phosphate adenyl transferase

UniProt Primary Accession

P23509

UniProt Related Accession

P23509

UniProt Comments

This protein plays a role in synthesis of starch. It catalyzes the synthesis of the activated glycosyl donor, ADP-glucose from Glc-1-P and ATP.

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