

Glucose-1-phosphate adenylyltransferase large subunit 1 (AGPS1), Recombinant Protein

Cat *RP15861*

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*

Species *mg (Baculovirus)/ 1 mg (E-Coli)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Yeast)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)*
Solanum tuberosum (Potato)

Full Product Name

Recombinant Solanum tuberosum Glucose-1-phosphate adenylyltransferase large subunit 1 (AGPS1)

Product Gene Name

AGPS1 recombinant protein

Purity

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

Sequence

NKIKPGVAYS VITTENDTQT VFVDMPRLER RRANPKDVAA VILGGGEGTK LFPLTSRTAT PAVPVGGCYR
LIDIPMSNCI NSAINKIFVL TQYNSAPLNR HIARTYFGNG VSFGDGFVEV LAATQTPGEA GKKWFQGTAD
AVRKFIWVFE DAKNKNIENI VVLSGDHLYR MDYMELVQNH IDRNADITLS CAPAEDSRAS DFGLVKIDSR
GRVVQFAEKP KGFDLKAMQV DTTLVGLSPQ DAKKSPYIAS MGVVYFKTDV LLKLLKWSYP TSNDFGSEII
PAAIDDYNVQ AYIFKDYWED IGTIKSFYNA SLALTQEFPE FQFYDPKTPF YTSPRFLPPT KIDNCKIKDA
IISHGCFLRD CSVEHSIVGE RSRLDCGVEL KDTFMMGADY YQTESEIASL LAEGKVPIGI GENTKIRKCI
IDKNAKIGKN VSIINKDGVQ EADRPEEGFY IRSGIIILE KATIRDGTVI

Sequence Positions

1-470, 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

52,253 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

Glucose-1-phosphate adenylyltransferase

NCBI Accession

Q00081.1

NCBI GI

232166

NCBI GeneID

102591766

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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mg (Baculovirus)/ 1 mg (E-Coli)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Yeast)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)
Glucose-1-phosphate adenylyltransferase large subunit 1

NCBI Official Symbol

AGPS1

NCBI Protein Information

glucose-1-phosphate adenylyltransferase large subunit 1

UniProt Gene Name

AGPS1

UniProt Protein Name

Glucose-1-phosphate adenylyltransferase large subunit 1

UniProt Synonym Protein Names

ADP-glucose pyrophosphorylase; ADP-glucose synthase; AGPase S; Alpha-D-glucose-1-phosphate adenylyltransferase

UniProt Primary Accession

Q00081

UniProt Related Accession

Q00081

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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