



# Recombinant Arabidopsis thaliana Glucose-1-phosphate adenylyltransferase small subunit, chloroplastic (APS1)

<b>Product Code</b>	CSB-EP345051DOA
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P55228
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Arabidopsis thaliana (Mouse-ear cress)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	VSDSQNSQT CLDPDASSSV LGIILGGGAG TRLYPLTKKR AKPAVPLGAN YRLIDIPVSN CLNSNISKIY VLTQFNSASL NRHLSRAYAS NMGGYKNEGF VEVLAQQSP ENPNWFQGT DAVRQYLWLF EEHNVLEYLI LAGDHLRMD YEKFIQAHRE TDADITVAAL PMDEQRATAF GLMKIDEEGR IIEFAEKPKG EHLKAMKVDT TILGLDDQRA KEMPFIASMG IYVVS RDV ML DLLRNQFPGA NDFGSEVIPG ATSLGLRVQA YLYDGYWEDI GTIEAFYNAN LGITKKPVPD FSFYDRSAPI YTQPRYLPPS KMLDADVTDS VIGEGCVIKN CKIHHSV VGL RSCISEGAI EDSLLMGADY YETATEKSL SAKGSVPIGI GKNSHIKRAI IDKNARIGDN VKIINSDNVQ EAARETDGYF IKSGIVTVIK DALIPTGTVI
<b>Source</b>	E.coli
<b>Target Names</b>	APS1
<b>Protein Names</b>	Recommended name: Glucose-1-phosphate adenylyltransferase small subunit, chloroplastic EC= 2.7.7.27 Alternative name(s): ADP-glucose pyrophosphorylase ADP-glucose synthase AGPase B Alpha-D-glucose-1-phosphate adenyl transferase
<b>Expression Region</b>	72-520
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
<b>Shelf Life</b>	The shelf life is related to many factors, storage state, buffer ingredients,



storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.