



# Recombinant Arabidopsis thaliana Glutathione synthetase, chloroplastic (GSH2)

<b>Product Code</b>	CSB-EP343195DOA
<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>	P46416
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Arabidopsis thaliana (Mouse-ear cress)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MESQKPIFD LEKLDDEFVQ KLVYDALVWS SLHGLVVGDK SYQKSGNVPG VGLMHAPIAL LPTAFPEAYW KQACNVTPLF NELIDRVSLD GKFLQDSLRS TKKVDVFTSR LLDIHSKMLE RNKKEDIRLG LHRFDYMLDE ETNSLLQIEM NTISCSFPGL SRLVSQLHQS LLRSYGDQIG IDSERPINT STIQFADALA KAWLEYSNPR AVVMVIVQPE ERNMYDQHLL SSILREKHNI VVIRKTLAEV EKEGSVQEDE TLIVGGQAVA VVYFRSGYTP NDHPSESEWN ARLLIESSA VKCPSIAYHL TGSKKIQQEL AKPGVLERFL DNKEDIAKLR KCFAGLWSLD DSEIVKQAIE KPGLFVMKPQ REGGGNNIYG DDVRENLLRL QKEGEEGNAA YILMQRIFPK VSNMFLVREG VYHKHQAISE LGVYGAYLRS KDEVIVNEQS GYLMRTKIAS SDEGGVAAGF GVLDSIYLI
<b>Source</b>	E.coli
<b>Target Names</b>	GSH2
<b>Protein Names</b>	Recommended name: Glutathione synthetase, chloroplastic Short name= GSH synthetase Short name= GSH-S Short name= Glutathione synthase EC= 6.3.2.3
<b>Expression Region</b>	62-539
<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.