



Recombinant Arabidopsis thaliana Glutathione gamma-glutamylcysteinyltransferase 1 (PCS1)

Product Code	CSB-EP879683DOA-B
Abbreviation	PCS1
Storage	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.
Uniprot No.	Q9S7Z3
Product Type	Recombinant Protein
Immunogen Species	Arabidopsis thaliana (Mouse-ear cress)
Purity	>85% (SDS-PAGE)
Sequence	MAMASLYRRS LPSPPAIDFS SAEGKLIFNE ALQKGTMEGF FRLISYFQTQ SEPAYCGLAS LSVVLNALS I DPGRKWKGPW RWFDESMLDC CEPLEVVKEK GISFGKVVCL AHCSGAKVEA FRTSQSTIDD FRKFVVKCTS SENCHMISTY HRGVFKQTGT GHFSPIGGYN AERDMALILD VARFKYPPHW VPLKLLWEAM DSIDQSTGKR RGFMLISRPH REPGLLYTLS CKDESWIEIA KYLKEDVPRL VSSQHVD SVE KIISVVF KSL PSNFNQFIRW VAEIRITEDS NQNLSAEEKS RLK LKQLVLK EVHETELFKH INKFLSTVGY EDSLTYAAAK ACCQGAEILS GSPSKEFCCR ETCVKCIKGP DDSEGT VVTG VVVRD GNEQK VDLLVPSTQT ECECGPEATY PAGNDVFTAL LLALPPQTWS GIKDQALMHE MKQLISMASL PTLLQEEVLH LRRQLQLLKR CQENKEEDDL AAPAY
Source	E.coli
Target Names	PCS1
Protein Names	Recommended name: Glutathione gamma-glutamylcysteinyltransferase 1 EC= 2.3.2.15 Alternative name(s): Cadmium tolerance protein Phytochelatin synthase 1 Short name= AtPCS1
Expression Region	1-485
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Reconstitution	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.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.



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