



# Recombinant Arabidopsis thaliana Glutathione gamma-glutamylcysteinyltransferase 1 (PCS1)

<b>Product Code</b>	CSB-YP879683DOA
<b>Abbreviation</b>	PCS1
<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>	Q9S7Z3
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Arabidopsis thaliana (Mouse-ear cress)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	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 VSSQHVDSE KII SVVFKSL PSNFNQFIRW VAEIRITEDS NQNLSAEEKS RLKLLKLVK EVHETELFKH INKFLSTVGY EDSLTYAAAK ACCQGAEILS GSPSKEFCCR ETCVKCIKGP DDSEGT VVTG VVVRDGNEQK VDLLVPSTQT ECECGPEATY PAGNDVFTAL LLALPPQTWS GIKDQALMHE MKQLISMASL PTLLQEEVLH LRRQLQLLKR CQENKEEDDL AAPAY
<b>Source</b>	Yeast
<b>Target Names</b>	PCS1
<b>Protein Names</b>	Recommended name: Glutathione gamma-glutamylcysteinyltransferase 1 EC= 2.3.2.15 Alternative name(s): Cadmium tolerance protein Phytochelatin synthase 1 Short name= AtPCS1
<b>Expression Region</b>	1-485
<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 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.



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