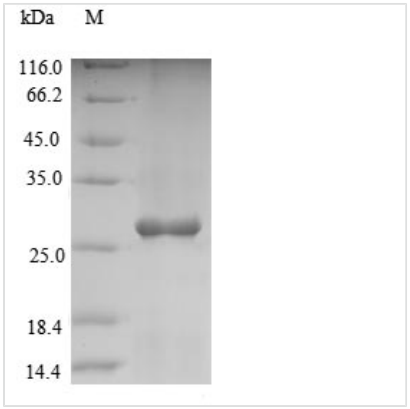
Recombinant Arabidopsis thaliana 2-Cys peroxiredoxin BAS1, chloroplastic (BAS1)

Product Code	CSB-EP822134DOA
Relevance	May be an antioxidant enzyme particularly in the developing shoot and photosynthesizing leaf. Involved in the detoxification of alkyl hydroperoxides with reducing equivalents provided through the thioredoxin system.
Abbreviation	Recombinant Mouse-ear cress BAS1 protein
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.	Q96291
Alias	Thiol-specific antioxidant protein A
Product Type	Recombinant Protein
Immunogen Species	Arabidopsis thaliana (Mouse-ear cress)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	KAQADDLPLVGNKAPDFEAEAVFDQEFIKVKLSDYIGKKYVILFFYPLDFTFVCP TEITAFSDRHSEFEKLNTEVLGVSVDSVFSHLAWVQTDRKSGGLGDLNYPLIS DVTKSISKSFGVLIHDQGIALRGLFIIDKEGVIQHSTINNLGIGRSVDETMRTLQA LQYIQENPDEVCPAGWKPGEKSMKPDPKLSKEYFSAI
Research Area	Others
Source	E.coli
Target Names	BAS1
Protein Names	Recommended name: 2-Cys peroxiredoxin BAS1, chloroplastic Short name= 2-Cys Prx A Short name= 2-Cys peroxiredoxin A EC= 1.11.1.15 Alternative name(s): Thiol-specific antioxidant protein A
Expression Region	66-266aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Mol. Weight	27.4kDa
Protein Length	Full Length of Mature Protein
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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

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