



# Recombinant Arabidopsis thaliana Probable sarcosine oxidase (At2g24580)

<b>Product Code</b>	CSB-EP871087DOA
<b>Abbreviation</b>	Recombinant Mouse-ear cress Probable sarcosine oxidase protein
<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>	Q9SJA7
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Arabidopsis thaliana (Mouse-ear cress)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	MEYSDDGRFDVIVVGAGVMGSSAAYQLAKRGQKTLLEQFDLHHRGSSSHGE SRTIRATYPEDYYSMVSESTRLWAAAQSEIGYKVHFPTQQFDMGPADQQSL LSVVATCQKHGLAHRVMDSHAVSEHFSGRISIPENWIGVSTELGGIIPKTKAVS MFQTLAIGHGAILRDNTKVANIKRDGESGEGVIVCTVKGDIFYGKKCIVTAGAW ISKLVKTVAGIDFPVEPLETTVCYWRIKEGHEEKFTIDGEPPTFASYGAPYVYGT PSLEYPGLIKVAVHGGYWCDPDKRPWGPVVKLEELKEWIKERFGGMVDSEG PVATQLCMYSMTPEDEDFVIDFLGGEGFRDVVVGGGFSGHGFKMAPAVGRILA DMAMEVEAGGGGVEMKQFSLRRFEDNPKGNAKEYPDQVILDVPLKH
<b>Research Area</b>	Others
<b>Source</b>	E.coli
<b>Target Names</b>	At2g24580
<b>Expression Region</b>	1-416aa
<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>	N-terminal 6xHis-tagged
<b>Mol. Weight</b>	49.7kDa
<b>Protein Length</b>	Full Length
<b>Image</b>	



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

## Description

The recombinant *Arabidopsis thaliana* (Mouse-ear cress) At2g24580 protein expression in *e.coli* cells requires the insertion of a DNA fragment encoding the *Arabidopsis thaliana* (Mouse-ear cress) At2g24580 protein (1-416aa) into a plasmid vector and the transferral of this vector into *e.coli* cells. The positive cells are screened, cultured, and then induced to express the At2g24580 protein. The protein carries a N-terminal 6xHis tag. The cells are lysed to harvest the recombinant *Arabidopsis thaliana* (Mouse-ear cress) At2g24580 protein, which is purified through affinity purification and then detected by SDS-PAGE and subsequent staining of the gel with Coomassie Brilliant Blue. The purity of this recombinant *Arabidopsis thaliana* (Mouse-ear cress) At2g24580 protein is over 90%.

## 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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