



# Recombinant Arabidopsis thaliana Proline dehydrogenase 1, mitochondrial (POX1)

<b>Product Code</b>	CSB-EP311282DOA
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P92983
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Arabidopsis thaliana (Mouse-ear cress)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	LPAF SPVGPPTVTA STAVVPEILS FGQQAPEPPL HHPKPTEQSH DGLDLSQAR LFSSIPTSDL LRSTAVLHAA AIGPMVDLGT WVMSSKLMDA SVTRGMVLGL VKSTFYDHFC AGEDADAAAE RVRVYEATG LKGMVLYGVE HADDAVSCDD NMQQFIRTIE AAKSLPTSHF SSVVVKITAI CPISLLKRVS DLLRWEYKSP NFKLSWKLKS FPFVSESSPL YHTNSEPEPL TAEERELEA AHGRIQEICR KCQESNVPLL IDAEDTILQP AIDYMAYSSA IMFNADKDRP IVYNTIQAYL RDAGERLHLA VQNAEKENVP MGFKLVRGAY MSSEASLADS LGCKSPVHDT IQDTHSCYND CMTFLMEKAS NGSFGVVLV THNADSGRLA SRKASDLGID KQNGKIEFAQ LYGMSDALSF GLKRAGFNVS KYMPFGPVAT AIPYLLRRAY ENRGMMATGA HDRQLMRMEL KRRLIAGIA
<b>Source</b>	E.coli
<b>Target Names</b>	POX1
<b>Protein Names</b>	Recommended name: Proline dehydrogenase 1, mitochondrial EC= 1.5.99.8 Alternative name(s): Osmotic stress-induced proline dehydrogenase Proline oxidase Protein EARLY RESPONSIVE TO DEHYDRATION 5
<b>Expression Region</b>	17-499
<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.