Recombinant Arabidopsis thaliana Proline dehydrogenase 1, mitochondrial (POX1)

Product Code	CSB-EP311282DOA-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P92983
Product Type	Recombinant Protein
Immunogen Species	Arabidopsis thaliana (Mouse-ear cress)
Purity	>85% (SDS-PAGE)
Sequence	LPAF SPVGPPTVTA STAVVPEILS FGQQAPEPPL HHPKPTEQSH DGLDLSDQAR LFSSIPTSDL LRSTAVLHAA AIGPMVDLGT WVMSSKLMDA SVTRGMVLGL VKSTFYDHFC AGEDADAAAE RVRSVYEATG LKGMLVYGVE HADDAVSCDD NMQQFIRTIE AAKSLPTSHF SSVVVKITAI CPISLLKRVS DLLRWEYKSP NFKLSWKLKS FPVFSESSPL YHTNSEPEPL TAEEERELEA AHGRIQEICR KCQESNVPLL IDAEDTILQP AIDYMAYSSA IMFNADKDRP IVYNTIQAYL RDAGERLHLA VQNAEKENVP MGFKLVRGAY MSSEASLADS LGCKSPVHDT IQDTHSCYND CMTFLMEKAS NGSGFGVVLA THNADSGRLA SRKASDLGID KQNGKIEFAQ LYGMSDALSF GLKRAGFNVS KYMPFGPVAT AIPYLLRRAY ENRGMMATGA HDRQLMRMEL KRRLIAGIA
Source	E.coli
Target Names	POX1
Protein Names	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
Expression Region	17-499
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 of Mature 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. 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.