



Recombinant Arabidopsis thaliana Proline dehydrogenase 2, mitochondrial (POX2)

Product Code	CSB-EP761201DOA
Abbreviation	POX2
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.	Q6NKX1
Product Type	Recombinant Protein
Immunogen Species	Arabidopsis thaliana (Mouse-ear cress)
Purity	>85% (SDS-PAGE)
Sequence	I LSFDPKPEV DLDLSDQARL FASVPISTLL RSTAILHATS IGPMVDLGSW LMSSKLMDDT VTRDLVLRIV KGTFYDHFCA GEDAAAAARR VSSVYESTGL KGMLVYGVEH AEDGGACDEN IQKFIETVEA AKTLPSSHLS SVVVKITAIC PMNVLKRVSD LLRWQYKNPN FKLPWKLNSF PVFSGLSPLY HTTSEPEPLT VEERELEKA HERLKSVCRL CQESNVPLLI DAEDTILQPA IDYMAYWSAI MFNSDKDRPI VYNTIQAYLK DAGERLHLAL RESEKMNVP I GFKLVRGAYM SSEAKLADSL GYKSPVHDTI QNTHDCYND C MSFLMEKASN GSGIAVILAT HNTDSGKLG A RKASELGINK ENGKIEFAQL YGMSDALSFG LKRAGFNVSK YMPYGPVDTA IPYLIRRAYE NRGMMSTGAL DRQLMRKELK RRVMAW
Source	E.coli
Target Names	POX2
Protein Names	Recommended name: Proline dehydrogenase 2, mitochondrial EC= 1.5.99.8 Alternative name(s): Osmotic stress-induced proline dehydrogenase Proline oxidase
Expression Region	30-476
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.