



# Recombinant Arabidopsis thaliana Proline dehydrogenase 2, mitochondrial (POX2)

<b>Product Code</b>	CSB-MP761201DOA
<b>Abbreviation</b>	POX2
<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>	Q6NKX1
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Arabidopsis thaliana (Mouse-ear cress)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	I LSFQPKPEV DLDLSDQARL FASVPISTLL RSTAILHATS IGPMVDLGSW LMSSKLMDDT VTRDLVLRIV KGTFYDHFCA GEDAAAAARR VSSVYESTGL KGMLVYGVEH AEDGGACDEN IQKFIETVEA AKTLPSSHLS SVVVKITAIC PMNVLKRVSD LLRWQYKNPN FKLPWKLNSF PVFSGLSPLY HTTSEPEPLT VEEERELEKA HERLKSVCRL CQESNVPLLI DAEDTILQPA IDYMAYWSAI MFNSDKDRPI VYNTIQAYLK DAGERLHLAL RESEKMNVP I GFKLVRGAYM SSEAKLADSL GYKSPVHDTI QNTHDCYND C MSFLMEKASN GSGIAVILAT HNTDSGKLG A RKASELGINK ENGKIEFAQ L YGMSDALSFG LKRAGFNVSK YMPYGPVDTA IPYLIRRAYE NRGMMSTGAL DRQLMRKELK RRVMAW
<b>Source</b>	Mammalian cell
<b>Target Names</b>	POX2
<b>Protein Names</b>	Recommended name: Proline dehydrogenase 2, mitochondrial EC= 1.5.99.8 Alternative name(s): Osmotic stress-induced proline dehydrogenase Proline oxidase
<b>Expression Region</b>	30-476
<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.