



Recombinant Arabidopsis thaliana Proline dehydrogenase 2, mitochondrial (POX2)

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|--------------------------|---|
| Product Code | CSB-BP761201DOA |
| 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 LSFDPKPPEV DLDLSDQARL FASVPISTLL RSTAILHATS IGPMVDLGSW LMSSKLMDDTT VTRDLVLRIV KGTFYDHFCA GEDAAAAARR VSSVYESTGL KGMLVYGVEH AEDGGACDEN IQKFIETVEA AKTLPSSHLS SVVVKITAIC PMNVLKRVSD LLRWQYKNPN FKLPWKLNSF PVFSGLSPLY HTTSEPEPLT VEEERELEKA HERLKSVCCLR 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 | Baculovirus |
| 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.