



Recombinant Arabidopsis thaliana Pheophorbide a oxygenase, chloroplastic (PAO)

Product Code	CSB-MP867037DOA
Abbreviation	PAO
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.	Q9FYC2
Product Type	Recombinant Protein
Immunogen Species	Arabidopsis thaliana (Mouse-ear cress)
Purity	>85% (SDS-PAGE)
Sequence	V AAPPSVPTSD STEEKRIEEE YGGDKKEEES EFKWRDHWYP VSLVEDLDPN VPTPFQLLGR DLVLWFDNRND QKWAADFDDLC PHRLAPLSEG RLDENGHLQC SYHGWSFGGC GSCTRIQAA TSGPEARAVK SPRACAIFP TMVSQGLLFV WPDENGWDRA NSIEPPRLPD DFDKPEFSTV TIQRDLFYGY DTLMENVSDP SHIDFAHHKV TGRDRDRAKPL PFKVSSGPW GFQGANDDSP RITAKFVAPC YSMNKIELDA KLPIVGNQKW VIWICSFNIP MAPGKTRSIV CSARNFFQFS VPGPAWWQVV PRWYEHWTSN LVYDGMIVL QGQEKVFLAK SMESPDYDVN KQYTKLTFPT TQADRFVLA FNWLRRHGKS QPEWFGSTPS NQPLPSTVLT KRQMLDRFDQ HTQVCSSCKG AYNSFQILKK FLVGATVFWA ATAGVPSDVQ IRLVLVAGLSL ISAASAYALH EQEKNFVFRD YVHSEIE
Source	Mammalian cell
Target Names	PAO
Protein Names	Recommended name: Pheophorbide a oxygenase, chloroplastic Short name= AtPaO Short name= Pheide a oxygenase EC= 1.14.12.20 Alternative name(s): Accelerated cell death 1 Lethal leaf-spot 1 homolog Short name= Lls1
Expression Region	50-537
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

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