



Recombinant Arabidopsis thaliana Diaminopimelate decarboxylase 1, chloroplastic (LYSA1)

Product Code	CSB-MP846403DOA
Abbreviation	LYSA1
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.	Q949X7
Product Type	Recombinant Protein
Immunogen Species	Arabidopsis thaliana (Mouse-ear cress)
Purity	≥85% (SDS-PAGE)
Sequence	AA VVSQNSSKTV TKFDHCFKKS SDGFLYCEGT KVEDIMESVE RRPFYLYSKP QITRNLEAYK EALEGVSSVI GYAIKANNL KILEHLRSLG CGAVLVSGNE LRLALRAGFD PTKCIFNGNG KSLEDLVLAQ QEGVFNVDSD EFDLNNIVEA SRISGKQVNV LLRINPDVDP QVHPYVATGN KNSKFGIRNE KLQWFLDQVK AHPKELKLVG AHCHLGSTIT KVDIFRDAAV LMIEYIDEIR RQGFEVSYLN IGGGLGIDYY HAGAVLPTPM DLINTVRELV LSRDLNLIIE PGRSLIANTC CFVNHVTGVK TNGTKNFIVI DGSMALIRP SLYDAYQHIE LVSPPPAEAE VTKFDVVGPV CESADFLGKD RELPTPPQGA GLVVHDAGAY CMSMASTYNL KMRPPEYWVE EDGSITKIRH AETFDHDLRF FEGL
Source	Mammalian cell
Target Names	LYSA1
Protein Names	Recommended name: Diaminopimelate decarboxylase 1, chloroplastic Short name= DAP decarboxylase 1 Short name= DAPDC 1 EC= 4.1.1.20
Expression Region	49-484
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.