



Recombinant Arabidopsis thaliana Aspartokinase 1, chloroplastic (AK1)

Product Code	CSB-EP864895DOA
Abbreviation	AK1
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.	Q9LYU8
Product Type	Recombinant Protein
Immunogen Species	Arabidopsis thaliana (Mouse-ear cress)
Purity	>85% (SDS-PAGE)
Sequence	KFGGSSVASA ERMKEVADLI LTFPEESPVI VLSAMGKTTN NLLLAGEKAV SCGVSNASEI EELSIKELH IRTVKELNID PSVILTYLEE LEQLLKGIAM MKELTLRTRD YLVSFGECLS TRIFAAYLNT IGVKARQYDA FEIGFITDD FTNGDILEAT YPAVAKRLYD DWMHDPVPI VTGFLGKGWK TGAVTTLGRG GSDLTATTIG KALGLKEIQV WKDVDGVLTC DPTIYKRATP VPYLTFDEAA ELAYFGAQVL HPQSMRPARE GEIPVRVKNS YNPKAPGTII TKTRDMTKSI LTSIVLKRNV TMLDIASTRM LGQVGFLAKV FSIFEELGIS VDVVATSEVS ISLTLDPSKL WSRELIQQEL DHVVEELEKI AVVNLLKGRA IISLIGNVQH SSLILERAFH VLYTKGVNVQ MISQGASKVN ISFIVNEAEA EGCVQALHKS FFESGDLSEL LIQPRLGNGS PVRTLQVEN
Source	E.coli
Target Names	AK1
Protein Names	Recommended name: Aspartokinase 1, chloroplastic EC= 2.7.2.4 Alternative name(s): Aspartate kinase 1
Expression Region	91-569
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.