



# Recombinant Arabidopsis thaliana Aspartokinase 1, chloroplastic (AK1)

<b>Product Code</b>	CSB-EP864895DOA-B
<b>Abbreviation</b>	AK1
<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>	Q9LYU8
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Arabidopsis thaliana (Mouse-ear cress)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	KFGGSSVASA ERMKEVADLI LTFPEESPVI VLSAMGKTTN NLLLAGEKAV SCGVSNASEI EELSIKELH IRTVKELNID PSVILTYLEE LEQLLKGIAM MKELTLRTRD YLVSFGECLS TRIFAAYLNT IGVKARQYDA FEIGFITDD FTNGDILEAT YPAVAKRLYD DWMHDPAPVI 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
<b>Source</b>	E.coli
<b>Target Names</b>	AK1
<b>Protein Names</b>	Recommended name: Aspartokinase 1, chloroplastic EC= 2.7.2.4 Alternative name(s): Aspartate kinase 1
<b>Expression Region</b>	91-569
<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.