



Recombinant Arabidopsis thaliana Alanine aminotransferase 1, mitochondrial (ALAAT1)

Product Code	CSB-EP515261DOA-B
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.	F4I7I0
Product Type	Recombinant Protein
Immunogen Species	Arabidopsis thaliana (Mouse-ear cress)
Purity	>85% (SDS-PAGE)
Sequence	SSS SSSDMSASDS SSSLPVTLDT INPKVIKCEY AVRGEIVNIA QKLQEDLKTN KDAYPFDEII YCNIGNPQSL GQQPITFFRE VLALCSYTAL LDESATHGLF SSDSIERAWK ILDQIPGRAT GAYSHSQGIK GLRDAIADGI EARDGFADP NDIFMTDGAS PGVHMMMLL ITSEKDGILC PIPQYPLYSA SIALHGGTLV PYYLDEASGW GLEISELKKQ LEDARSKGIT VRALAVINPG NPTGQVLSEE NQRDVVKFCK QEGLVLLADE VYQENVYVPD KKFHSFKKVA RSMGYGEKDL ALVSFQSVSK GYYGECGKRG GYMEVTGFTS DVREQIYKMA SVNLCASNISG QILASLIMSP PKPGDDSYES YIAEKDGILS SLARRAKTLE EALNKLEGVT CNRAEGAMYL FPCLHLPQKA IAAAEAETA PDNFYCKRLL KATGIVVVPG SGFRQVPGTW HFRCTILPQE DKIPAIVDRL TAFHQSFMD E FRD
Source	E.coli
Target Names	ALAAT1
Protein Names	Recommended name: Alanine aminotransferase 1, mitochondrial Short name= AtAlaAT1 Short name= AtAlaATc EC= 2.6.1.2 Alternative name(s): Alanine-2-oxoglutarate aminotransferase 4 EC= 2.6.1.-
Expression Region	48-543
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.