



# Recombinant Arabidopsis thaliana Alanine aminotransferase 1, mitochondrial (ALAAT1)

<b>Product Code</b>	CSB-EP515261DOA
<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>	F4I7I0
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Arabidopsis thaliana (Mouse-ear cress)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	SSS SSSDMSASDS SSSLPVTLDT INPKVIKCEY AVRGEIVNIA QKLQEDLKTN KDAYPFDEII YCNIGNPQSL GQQPITFFRE VLALCSYAL 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 KATGIVVVP SGFRQVPGTW HFRCTILPQE DKIPAIVDRL TAFHQSFMD EFRD
<b>Source</b>	E.coli
<b>Target Names</b>	ALAAT1
<b>Protein Names</b>	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.-
<b>Expression Region</b>	48-543
<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.