



# Recombinant Arabidopsis thaliana Alanine aminotransferase 2, mitochondrial (ALAAT2)

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| <b>Product Code</b>      | CSB-YP888704DOA  |
| <b>Abbreviation</b>      | ALAAT2   |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>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>       | Q9LDV4   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Arabidopsis thaliana (Mouse-ear cress)   |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | SSTS EMSASDSTSS LPVTLDSINP KVLKCEYAVR GEIVNIAQKL<br>QEDLKTNKDA YPFDEIYCN IGNPQSLGQL PIKFFREVLA LCDHASLLDE<br>SETHGLFSTD SIDRAWRILD HIPGRATGAY SHSQGIKGLR DVIAAGIEAR<br>DGFPADPNDI FLTDGASPAV HMMMQLLLSS EKDGILSPIP QYPLYSASIA<br>LHGGSLVPYY LDEATGWGLE ISDLKKQLEE ARSKGISVRA LVVINPGNPT<br>GQVLAEEENQR DIVNFCKQEG LVLLADEVYQ ENVYVPDKKF HSFKKVARSL<br>GYGEKDISLV SFQSVSKGYG GECGKRGGYM EVTGFTSDVR EQIYKMASVN<br>LCSNISGQIL ASLVMSPPKP GDSYDSYMA ERDGILSSMA KRAKTLEDAL<br>NSLEGVTCNR AEGAMYLFPR INLPQKAIEA AEAETAPDA FYCKRLLNAT<br>GVVVVPGSGF GQVPGTWHFR CTILPQEDKI PAIVNRLTEF HKSFMDEFNR |
| <b>Source</b>            | Yeast  |
| <b>Target Names</b>      | ALAAT2   |
| <b>Protein Names</b>     | Recommended name: Alanine aminotransferase 2, mitochondrial Short name= AtAlaAT2 Short name= AtAlaATm EC= 2.6.1.2 Alternative name(s): Alanine-2-oxoglutarate aminotransferase 3 EC= 2.6.1.-   |
| <b>Expression Region</b> | 47-540   |
| <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.   |



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