



Recombinant *Oryza sativa* subsp. japonica 1-aminocyclopropane-1-carboxylate oxidase 1 (ACO1)

Product Code	CSB-EP603806OFG-B
Abbreviation	ACO1
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.	Q0J1C1
Product Type	Recombinant Protein
Immunogen Species	<i>Oryza sativa</i> subsp. japonica (Rice)
Purity	>85% (SDS-PAGE)
Sequence	MAPTSTFPVI NMELLAGEER PAAMEQLDDA CENWGFFEIL NHGISTELMD EVEKMTKDHY KRVREQRFLE FASKTLKEGC DDVNKAEKLD WESTFFVRHL PESNIADIPD LDDDYRRLMK RFAAELETLA ERLDLLCEN LGLEKGYLTK AFRGPAGAPT FGTKVSSYPP CPRPDLVEGL RAHTDAGGII LLFQDDRGG LQLLKDGEWV DVPPMRHSIV VNLGDQLEVI TNGRYKSVIH RVVAQTDGNR MSIASFYNPG SDAVISPAPA LVKEEEEAVVA YPKFVFEDYM KLYVRHKFEA KEPRFEAFKS METETSNRIA IA
Source	E.coli
Target Names	ACO1
Protein Names	Recommended name: 1-aminocyclopropane-1-carboxylate oxidase 1 Short name= ACC oxidase 1 EC= 1.14.17.4 Alternative name(s): Ethylene-forming enzyme Short name= EFE
Expression Region	1-322
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 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.