



Recombinant *Oryza sativa* subsp. japonica Allene oxide synthase 1, chloroplastic (CYP74A1)

Product Code	CSB-EP767139OFG
Abbreviation	CYP74A1
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.	Q7Y0C8
Product Type	Recombinant Protein
Immunogen Species	<i>Oryza sativa</i> subsp. japonica (Rice)
Purity	>85% (SDS-PAGE)
Sequence	ASASA SATDRQEVVS PKRRLPLRKV PGDYGPPVVG AIRDRYEYFY GPGGRDGGFA ARVRAHRSTV VRLNMPPGPF VARDPRVVAL LDAASFPVLF DTSLVDKTDL FTGTFMPSTD LTGGYRVLSY LDPSEPNHAP LKTLLEYLLS HRRQQVIPKF REVYGDLFGL MENDLARVGK ADFGVHNDAA AFGFLCQGLL GRDPAKSALG RDGPKLITKW VLFQLSPLLS LGLPTLVEDT LLHSLRLPPA LVKKDYDRLA DFFRDAAKAV VDEGERLGIA REEAVHNILF ALCFNSFGGM KILFPTLVKW LGRAGARVHG RLATEVRGAV RDNGGEVTMK ALAEMPLVKS AVYEALRIEP PVAMQYGRAK RDMVVESHYD GYEVREGEML FGYQPMATKD PRVFARPEEY VPDRFLGEDG ARLLRHVVWS NGPETAAPTL HDKQCAGKDF VVLVARLLL V ELFLRYDSFD VEVGTSTLGS SVTVTSLKKA TF
Source	E.coli
Target Names	CYP74A1
Protein Names	Recommended name: Allene oxide synthase 1, chloroplastic EC= 4.2.1.92 Alternative name(s): Cytochrome P450 74A1 Hydroperoxide dehydrase 1
Expression Region	26-512
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.