



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

<b>Product Code</b>	CSB-EP767139OFG-B
<b>Abbreviation</b>	CYP74A1
<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>	Q7Y0C8
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	<i>Oryza sativa</i> subsp. <i>japonica</i> (Rice)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	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
<b>Source</b>	E.coli
<b>Target Names</b>	CYP74A1
<b>Protein Names</b>	Recommended name: Allene oxide synthase 1, chloroplastic EC= 4.2.1.92 Alternative name(s): Cytochrome P450 74A1 Hydroperoxide dehydrase 1
<b>Expression Region</b>	26-512
<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.