

Recombinant Full Length *Aspergillus Oryzae* Bifunctional Lycopene Cyclase/Phytoene Synthase(Ao090020000159) Protein, His-Tagged

Cat. No. RFL980AF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length <i>Aspergillus oryzae</i> Bifunctional lycopene cyclase/phytoene synthase(AO090020000159) Protein (Q2U4X9) (1-587aa), fused to N-terminal His tag, was expressed in <i>E. coli</i> .
Species	<i>Aspergillus oryzae</i>
Source	<i>E. coli</i>
ProteinLength	Full Length (1-587)
Form	Lyophilized powder
AA Sequence	MGLDYILVHVTYNIPLAGILTLVYWPFMTRLDWQKISTLVIISLVATIPWDSYLVVRHRIW TYAPNGVIGWTLYDIPSEEVFFFIQTYNTSLVYLILTRWLVLPMYLGTVARKETLIGAS ILLLAISVGLIALCFGDHFTYFGMIITWAGPFLLIQWVFSSGFIIALPKLELMVSITLPT LF LWTVDTISINQGTWTVEAPTKLGVQLWSGMDIEEVLFLLITNIVIVFGLVCIDYAIAM A TCELVQSPQAVQSFPSTYFRVLARFVTNKHYPDKQFVASLRKAVDRLAASSQSMYM GSAM FQGPFRIDLILLYSFFRVADDLVDESQDTESARMIEQCDQLLEAKFSHPFLFP FSPGYQ EAKHPAPPELIAAIDSLPVSRLRLEHLKGLIEGFRTDLTFSKPGSFPFVTE SDLDTYAY HVASSVAASMLGLVVHHFPDHQFAINVFLRRRVVDAGERMGQTLQYIN VARDIARDAAIN RVYLPPTTWLKQQGLGPEDVLASPTDSRLELVRDRLLDRAEFLSAS AREEMKFLPDEVQGP FLATVDSYLEIGAALRRGMRPRTLDDKLRLPLGTRLWVAYR

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	AMAWRK
Purity	Greater than 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Storage Buffer	Tris/PBS-based buffer, 6% Trehalose, pH 8.0
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.

GENE INFORMATION

Gene Name	AO090020000159
Synonyms	AO090020000159; Bifunctional lycopene cyclase/phytoene synthase [Includes: Lycopene beta-cyclase; Lycopene cyclase; Phytoene synthase;]
UniProt ID	Q2U4X9

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