

Recombinant Full Length Aspergillus Niger Bifunctional Lycopene Cyclase/Phytoene Synthase (An07G00800) Protein, His-Tagged

Cat. No. RFL11209AF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Aspergillus niger Bifunctional lycopene cyclase/phytoene synthase (An07g00800) Protein (A2QM49) (1-582aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Aspergillus Niger
Source	E.coli
ProteinLength	Full Length (1-582)
Form	Lyophilized powder
AA Sequence	MNQNGTRLCYSVREVPPTS FVSAPANYKRASSHCTYTIPAASALTVLYYPFFTAQDR CKI CILITIAILATLPWDSYLIRSAIWYPPDAVVGLKILDIPIEEVFFFAIQTYITSLTYCI F TKPLVRPMYLRSHLERRGTRYVVATVILALMGGGTACLLGRRMTYLGILVWACPIL L FQWMMSYPFLSELPWKPTITSICLPTLHLWFADSRAMGTGTWRIEEGTKLNFRIG GLELE EALFFLVSNMMVVLGLVGCDYAYALQEYESLSQPASDVYITLRKALSLLARP LPIDASLI SALSQAVYRLQEKSQSMFLGSALFQGQLRIDLIFLYSFCRVMDDLIDEAED EQEARFWVT ECRHLLDSTHRSEPHSDHFYTGKKGEEHERLRQSISYLPSPSHLSNDS FDDLKGFEDLK FNPQREAFPIQSEYCLDQYAGFVAGTVGVLFVDLTLFHCGHYFI QDVPRLRRAAKDMGKA MQCQPRGDGGATSGRKRAIAGNRGELYGYWTTAEGAE RHKPGASVEDEGAFGATAKSWLA GDVITELCHCFIQA EYVIYLVVRHQNASADTLVLL

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SALVYRLE	
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	An07g00800
Synonyms	An07g00800; Bifunctional lycopene cyclase/phytoene synthase [Includes: Lycopene beta-cyclase; Lycopene cyclase; Phytoene synthase;]
UniProt ID	A2QM49