

Recombinant Full Length Sporisorium Reilianum Bifunctional Lycopene Cyclase/Phytoene Synthase (Sr13176) Protein, His-Tagged

Cat. No. RFL4197SF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Sporisorium reilianum Bifunctional lycopene cyclase/phytoene synthase (sr13176) Protein (E6ZZ11) (1-685aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Sporisorium reilianum
Source	E.coli
ProteinLength	Full Length (1-685)
Form	Lyophilized powder
AA Sequence	MTRL YQPSQDWPACTLSYRHFHLLWTLPLCAVLFLVARPFLTKLDRAKLILLPIIAFV WT TPWDNLIVKNRAWFYHRHCIWFTIGYVPIEEYFFFVIQSLISTLWCTLLTRWALPN LYLV PSSPKRRRLATPAVVVCMLCFVLGLKAAVPETHSYFGMITWWSSLPLALLL WGSVDFVS NMGVRAGLAPFALSVLAPTFYLVASDVYALRRGTWHINEATSLNVFPI PHLPIEEMLFFL VTNLILVSACFTFDRCVAICRQSV AENAPPLSPSYLPLGSLDTYTKL WAAFVRSRPPVA TSAASASVEPRDLAASLQVLRAASKSFNAASLLLPWDLRTDLG CLYAFRCRVADDLVDDDA QGLEAKSSNLDVIRAIVDAIYADSPEAAPQKQPSAQPVS D RIRTL LAPVALPDKVKQDTR AAAASIAPLTRYIPKRLWYEMLQGYSLDLLFEHPDADK RTRLRTMDDLVEYSQCVAGVVG EMCTRVILGRCGGAVPLELKVDRTIAPVSTKAAM AGKALDLTRADDVHALLYEARRMGVS LQLVNIARDIVPDSVELRRCYLPTDMFDKQ

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DARMQDALLAGHIAVRSQHTTTLEEKELVQ PRDVRKYALRLLRVSRGLYDQAYPAL
AQIPNRPARAGLKAACSVYAAIGTRIEAQTETDV AEGRRARMSNRDRMLRAVSAVY
FGV

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 sr13176

Synonyms sr13176; Bifunctional lycopene cyclase/phytoene synthase [Includes: Lycopene beta-cyclase; Lycopene cyclase; Phytoene synthase;]

UniProt ID [E6ZZ11](#)

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