

Recombinant Full Length Arthroderma Gypseum Bifunctional Lycopene Cyclase/Phytoene Synthase (Mgyg_02096) Protein, His-Tagged

Cat. No. RFL29706AF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Arthroderma gypseum Bifunctional lycopene cyclase/phytoene synthase (MGYG_02096) Protein (E4UPP6) (1-594aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Arthroderma gypseum
Source	E.coli
ProteinLength	Full Length (1-594)
Form	Lyophilized powder
AA Sequence	MGLDYLMVHVKYNLPPALLLTILYKPFFFTRLEVHKIVLLCTIAVWWTIPWDSYLIRTRIW SYPADSVLGQTLFQIPLEEVFFFIQTYNTSLLYIIFNKRLVLPSTLSGPTKPLAQGLFG PITHRTQRDLGTLFFTGILILGISFIYIGGEYMYLGLILSWVSPILVMQWVLMYRFLAL PPASVWVPIALPTLYLWVVDTLALRRGTWVIESGTVKVDIQLWEGLEIEEALFFLVNTV MV VFGIAAMHNAAALFEYKAFISTTAMGDTPSIYQLITFLTSSRLYDTNVLQEMSQA VTLL KQKSQSMYLGSAFEGQLRLDLIALYSFCRKADDLIDDAPDRETAKYWIEQCE KALELRF KLEKALDDTEAYQLLTKSIPQPLHAAHLLPASRLPKEPLSCLLQGFEIDL KDFEKGSG FPIATEHDLEVYAYHVAGTVASLLLELVFRHHPVSISEAERLRVISAGEV MGRALQYTNI ARDITRDAEIGRVYIPSSWLAEEGLTPSMVISHPRNSKLIPLRRRILEK ADKCYCETQEA ISKLPSNVQGPVRATVTAYMEIGQVIRENETKIWNGKLKVSRRWR

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	FKRAWLAML
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	MGYG_02096
Synonyms	MGYG_02096; Bifunctional lycopene cyclase/phytoene synthase [Includes: Lycopene beta-cyclase; Lycopene cyclase; Phytoene synthase;]
UniProt ID	E4UPP6

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