

Recombinant Full Length *Mucor Circinelloides F. Lusitanicus* Bifunctional Lycopene Cyclase/Phytoene Synthase(Carrp) Protein, His-Tagged

Cat. No. RFL28581MF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length <i>Mucor circinelloides f. lusitanicus</i> Bifunctional lycopene cyclase/phytoene synthase(CARRP) Protein (Q9UUQ6) (1-614aa), fused to N-terminal His tag, was expressed in <i>E. coli</i> .
Species	<i>Mucor circinelloides f. lusitanicus</i> (<i>Mucor racemosus</i> var. <i>lusitanicus</i>)
Source	<i>E.coli</i>
ProteinLength	Full Length (1-614)
Form	Lyophilized powder
AA Sequence	MLLT YMEV HLYY TLPVLGVLSWLSRPYYTATDALKFKFLT LVAFTTASAWDNYIVYHK AW SYCPTCVTAVIGYVPLEEY MFFIIM TLLTVAFTNLV MRWHLHSFFIRPETPVMQS VLVRL VPITALLITAYKAWHLAVPGKPLFYGSCILWYACPV LALLWFGAGEYMMRRP LAVLV SIA LPTLFLCWVDVVAIGAGTWDISLATSTGKFV VPHLPVEEFMFFALINTVLV FGTCAIDRT MAILHLFKNKSPYQR PYQHKSFLHQILEMTWAFCLPDQVLHSDTFHD LSVSWDILRKAS KSFYTASAVFPGDVRQELGVLYAFCRATDDLCDNEQVPVQTRKE QLILTHQFVSDLFGQK TSAPTAIDWDFYNDQLPASCISAFKSFTRLRHVLEAGAIKEL LDGYKWDLERRSIRDQED LRYYSACVASSVGEMCTRIILAHADKPASRQQTQWIIQ RAREMGLVLQYTNIARDIVTDS EELGRCYLPQDWLTEKEVALIQGGLAREIGEERLL SLSHRLIYQADELMVVANKGIDKLP SHCQGGVRAACNVYASIGTKLKSYKHHYPSR

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AHVGNSKRVEIALLSVYNLYTAPIATSST THCRQGKMRNLNTI	
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	CARRP
Synonyms	CARRP; Bifunctional lycopene cyclase/phytoene synthase [Includes: Lycopene beta-cyclase; Phytoene synthase;]
UniProt ID	Q9UUQ6