

Recombinant Full Length Heterocapsa Triquetra Ribulose Bisphosphate Carboxylase, Chloroplastic(Rbcl) Protein, His-Tagged

Cat. No. RFL33168HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Heterocapsa triquetra Ribulose bisphosphate carboxylase, chloroplastic(rbcL) Protein (Q5ENN5) (56-740aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Heterocapsa triquetra (Dinoflagellate) (Glenodinium triquetrum)
Source	E.coli
ProteinLength	Full Length of Mature Protein (56-740)
Form	Lyophilized powder
AA Sequence	STSALPWAFGAGACLALAAGGQRKQRSAlAQGRATVLPTASPVVRRALDQSSRYAD LSLS EEQLIANGKHVLVSYIMKPKAGYDYLATAAHFAAESSTGTNVNVCTTDDFTKS VDALVYY IDPENEECKIAYPNLLFDRNIIDGRAMMCSVLTLTIGNNQGMGDVEYGKIY DIYFPPSYL RLFDGPSCNIIDMWRLGRGTTDGGLVVGTIIKPKLGLQPKPFGEACYA FWQGGDFIKND EPQGNQPFQCMNEVIPEVVKAMRAAIKETGVAKLFSANITADDPA EMIARGKYVLAQFGP LSENCAFLVDGYVAGGTAVTVARRNFPKQFLHYHRAGHGS VTSPQTQRGYTAFVHTKLSR VQGASGIHVGTMSEFGKMEGDASDKNIAFMLQDDAA DGPYYHQTWEGMAETTPISGGMNA LRLPAFFENLGHSNVILTAGGGAFGHKDGP QGATSCRQGEEAWKLWKAGVYGSVSLSDG VIEYAKTHEEIKGAFLTFQKDADQIYP GWKEKLGYTGESSVQAASFDWKKKAAAAAFAGS STQARTVGVQMRHGYDDVATN

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TFYYDKRLESFGQQEFFNQVGYLPDGTMPMNTAGNLTNHP ETIGPDPHINGSELPQA
VFVNSIGYLPDGTAMNQAGNAVNHPETMGPDLMAGSPLPPPL KGYLNDIGYLS
GTPMATAGNLSNH

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 rbcL

Synonyms rbcL; Ribulose bisphosphate carboxylase, chloroplastic; RuBisCO

UniProt ID [Q5ENN5](#)

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