MUT-4713 rbcL-C449S/C459S mt+ (Moreno)

Cat. No. *ALS-03850*

Lot. No. (See product label)

Subategory
Mutants

Description
Directed mutagenesis and chloroplast transformation of rbcL-W66Amber mt+ were used to create C449S (TGT-AGC) and C459S (TGT-TCT) substitutions in the Rubisco large subunit to investigate stress-induced degradation of Rubisco. Although this mutant was originally recovered on minimal medium and could grow photosynthetically, a check of its phenotype revealed that it now requires acetate for growth. Some photosynthesis-competent Rubisco mutants have been previously observed to become acetate-requiring after many years of culture in darkness.

Species
Chlamydomonas

Locus
rbcL

Chromosome
Chloroplast

Phenotype
Requires acetate

Address: SUITE 209, 17 Ramsey Road, Shirley, NY 11967
Tel: 1-631-356-5138 Fax: 1-631-910-2166
E-mail: info@
https://www.lifeasible.com/algae