

MUT-4719 rbcL-C84S mt+

Cat. No. ALS-03856

Lot. No. (See product label)

Subcategory

Mutants

Description

Directed mutagenesis and chloroplast transformation of rbcL-W66Amber mt+ were used to create a C84S substitution by standard procedures, and photosynthesis-competent colonies were selected on minimal medium. After many rounds of cloning for homoplasmy, this strain was retained for future study. The mutant may be useful for studying redox modulation of Rubisco. It has been maintained with acetate medium in darkness since being isolated.

Species

Chlamydomonas

Locus

rbcL

Chromosome

Chloroplast

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY