

MUT-4812 rbcL-M349L mt+

Cat. No. ALS-03948

Lot. No. (See product label)

Subcategory

Mutants

Description

Directed mutagenesis and chloroplast transformation of rbcL Δ -25B1 mt+ (MUT-4700) were used to create an M349L substitution (ATG-CTG) in the Rubisco large subunit. This is the original mutant strain. It was created to investigate phylogenetic differences near large-subunit residue Val-331 (see rbcL-V331A). The strain has been maintained with acetate medium in darkness to prevent selection for secondary mutations that may improve Rubisco function.

Species

Chlamydomonas

Locus

rbcL

Chromosome

Chloroplast

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY