MUT-4826 rbcL-S379A mt+ (non-pf2 progeny used for genetic analysis)

Cat. No. *ALS-03962*

Lot. No. (See product label)

Subategory
Mutants

Description
Directed mutagenesis and chloroplast co-transformation of wild-type 2137 mt+ (MUT-3269) were used to create an S379A substitution (TCA-GCA), which causes a decrease in Rubisco CO_2/O_2 specificity but not holoenzyme stability. This strain was recovered from a cross between the original S379A mt+ and pf2 mt-, and has been maintained with acetate medium in darkness since its isolation.

Species
Chlamydomonas

Locus
rbcL

Chromosome
Chloroplast

Phenotype
Requires acetate; sensitive to light

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