

# MUT-4823 rbcL-N123G mt+ (non-pf2 progeny used for genetic analysis)

Cat. No. ALS-03959

Lot. No. (See product label)

---

## Subcategory

Mutants

## Description

Directed mutagenesis and chloroplast co-transformation of wild-type 2137 mt+ (MUT-3269) were used to create an N123G substitution (AAC-GGC), which causes a decrease in Rubisco CO<sub>2</sub>/O<sub>2</sub> specificity but not holoenzyme stability. This strain was recovered from a cross between the original N123G 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

---

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**