

# MUT-4818 rbcL-Q45Ocher mt- (68-7AN) (non-pf2 progeny used for genetic analysis)

*Cat. No.* ALS-03954

*Lot. No.* (See product label)

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## Subcategory

Mutants

## Description

The 68-7AN chloroplast mutant was recovered by screening a collection of acetate-requiring mutants for lack of complementation with a known Rubisco rbcL mutant. It results from an rbcL nonsense mutation that changes the codon for Gln-45 (CAA) to ochre (TAA) (Spreitzer 1993). It is not known whether this mutant may be suppressed by heteroplasmic informational (tRNA) suppression. This strain was recovered from a cross between the original 68-7AN 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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**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**