

MUT-4621 76-5EN mt+ (rbc-3-76-5EN) non-pf2 progeny used for genetic analysis

Cat. No. ALS-03758

Lot. No. (See product label)

Subcategory

Mutants

Description

The 76-5EN nuclear mutant was isolated by screening a collection of acetate-requiring mutants for lack of complementation with a known Rubisco rbcL mutant. The mutant was crossed with pf2 mt- to confirm mendelian inheritance, and this mt+ progeny clone was retained for analysis. The mutant is specifically defective in chloroplast rbcL mRNA accumulation. This strain has been maintained with acetate medium in darkness since its isolation.

Species

Chlamydomonas

Phenotype

Requires acetate; sensitive to light

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY