

MUT-4630 R118-1E mt+ (revertant of 76-5EN)

Cat. No. ALS-03767

Lot. No. (See product label)

Subcategory

Mutants

Description

This photosynthesis-competent revertant was selected from the Rubisco *rbcL*-mRNA deficient 76-5EN nuclear mutant. It can grow on minimal medium at 25 °C, but dies on minimal medium at 35 °C because of decreased expression of Rubisco. R118-1E is a double mutant (76-5EN/S118-1E) that results from a nuclear-gene intergenic suppressor (S118-1E) of 76-5EN. When separated from 76-5EN, S118-1E does not have a temperature-conditional phenotype, and does not appear to affect Rubisco expression. This strain has been maintained with acetate medium in darkness since its isolation.

Species

Chlamydomonas

Phenotype

Requires acetate at 35 °C; temperature-conditional

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