

MUT-4763 rbcS1-SSAT mt-

Cat. No. ALS-03899

Lot. No. (See product label)

Subcategory

Mutants

Description

Genetic engineering and nuclear-gene transformation of rbcSΔ-T60-3 mt- (MUT-4415) were used to create a hybrid Rubisco enzyme comprised of Chlamydomonas large subunits and Arabidopsis small subunits. This strain has been maintained with acetate medium in darkness to prevent selection for secondary mutations that may improve Rubisco function or stability.

Species

Chlamydomonas

Locus

RBCS1

Chromosome

2

Phenotype

Altered CO₂ assimilation

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY