

MUT-4712 rbcL-C172S mt+

Cat. No. ALS-03849

Lot. No. (See product label)

Subcategory

Mutants

Description

Directed mutagenesis and chloroplast transformation of rbcL-W66Amber mt+ were used to create a C172S substitution (TGT-TCT) to investigate stress-induced degradation of Rubisco. The x-ray crystal structure of the mutant protein has been determined. This is the original mutant strain. It has been maintained with acetate medium in darkness to prevent selection for secondary mutations that may improve Rubisco stability.

Species

Chlamydomonas

Locus

rbcL

Chromosome

Chloroplast

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY