

# MUT-4720 rbcL-C284S mt+

Cat. No. ALS-03857

Lot. No. (See product label)

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## Subcategory

Mutants

## Description

Directed mutagenesis and chloroplast transformation of rbcL $\Delta$ -25B1 mt+ (MUT-4700) were used to create a C284S substitution in the Rubisco large subunit by standard procedures, and photosynthesis-competent colonies were selected on minimal medium. After many rounds of cloning for homoplasmy, this strain was retained for future study. The mutant may be useful for studying redox modulation of Rubisco. It has been maintained with acetate medium in darkness since being isolated.

## Species

Chlamydomonas

## Locus

rbcL

## Chromosome

Chloroplast

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**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**