

# MUT-4810 rbcL-L326I mt+

Cat. No. ALS-03946

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 an L326I substitution (CTT-ATT) in the Rubisco large subunit, which causes a decrease in Rubisco holoenzyme stability. This is the original mutant strain. It was created to investigate phylogenetic differences near large-subunit residue Val-331 (see rbcL-V331A). The strain has been maintained with acetate medium in darkness to prevent selection for secondary mutations that may improve Rubisco function.

## Species

Chlamydomonas

## Locus

rbcL

## Chromosome

Chloroplast

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**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**