

MUT-4105 npq1 lor1 arg7 mt+ [Niyogi 277-3D]

Cat. No. ALS-03328

Lot. No. (See product label)

Subcategory

Mutants

Description

The npq1 mutant has normal levels of violaxanthin but cannot convert violaxanthin to antheraxanthin and zeaxanthin during exposure to excessive light, suggesting a defect in the enzyme violaxanthin de-epoxidase. For more on lor1, please see MUT-2420.

Species

Chlamydomonas

Locus

NPQ1

Chromosome

2

Phenotype

Carotenoid deficient; requires arginine

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY