

MUT-1995 mat3-2 spr-u-1-27-3 mt+

Cat. No. ALS-02105

Lot. No. (See product label)

Subcategory

Mutants

Description

This is original mat3-2 isolate, designated M3-5-2-5. Originally thought to have modified transmission of the chloroplast genome, the mat3 mutants have been shown to have lesions in a retinoblastoma protein homolog involved in cell division. The altered plastid gene transmission is a secondary consequence of abnormally small cell size. This mutation may become suppressed, and outcrossing to wild type may be necessary to recover the original phenotype.

Species

Chlamydomonas

Locus

MAT3, rrnS

Chromosome

6,Chloroplast

Phenotype

Abnormal cell division; antibiotic resistant (spectinomycin)

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY