

MUT-742 FUD2 (petB) mt+

Cat. No. ALS-01458

Lot. No. (See product label)

Subcategory

Mutants

Description

This is a chloroplast mutant deficient in the cytochrome b6/f complex. It was obtained after treatment with 5-fluorodeoxyuridine. It was shown that the lesion in FUD2 is a 36 bp duplication in petB, producing a 12 amino acid duplication in the cd loop of cytochrome b6. The mutant protein can assemble into the cytochrome b6/f complex, but these complexes show slower electron transfer and increased degradation in aging cells.

Species

Chlamydomonas

Locus

petB

Chromosome

Chloroplast

Phenotype

Requires acetat

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY