

MUT-4148 FUD16 (atpA) mt+

Cat. No. ALS-03365

Lot. No. (See product label)

Subcategory

Mutants

Description

This mutant was isolated after treatment with 5-fluorodeoxyuridine. It was shown that FUD16 contains two missense mutations in the atpA gene, changing Ile at 184 to Asn and Asn at 186 to Tyr in a strictly conserved region downstream of the P-loop. The mutant is acetate-requiring and deficient in ATP synthase activity, but overproduces the alpha and beta subunits of the chloroplast CF1 ATP synthase complex.

Species

Chlamydomonas

Locus

atpA

Chromosome

Chloroplast

Phenotype

Requires acetate

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY