MUT-3022 atpC1 nit1-305 cw15 mt-

Cat. No. *ALS-02678*

Lot. No. (See product label)

Subategory
Mutants

Description
This is a null mutation in the ATPC gene encoding the gamma subunit of CF1 ATP synthase. The mutant was obtained by transformation of a nit1-305 cw15 strain with a construct in which a 168 bp Bgl II fragment from the ATPC cDNA was replaced with a plasmid sequence. Transformants were selected for arsenate tolerance and screened for an acetate-requiring phenotype. The mutant was shown to have a defect in the 5' portion of the AtpC gene. It does not accumulate either mRNA or a polypeptide. For site-directed mutations that alter specific amino acids in ATPC, please see MUT-3023 through MUT-3027.

Species
Chlamydomonas

Locus
ATPC, NIT1

Chromosome
6,9

Phenotype
Requires acetate; wall deficient

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