

MUT-4368 *css1 spr-u-1-6-2 er-u-11* mt+ [Herrin 7151]

Cat. No. ALS-03539

Lot. No. (See product label)

Subcategory

Mutants

Description

The *css1* mutation suppresses defects in splicing of the chloroplast 23S (Cr.LSU) intron and also the *psbA* fourth intron. It was obtained as follows: Mets strain 2137 (MUT-1021, also MUT-3269) was transformed with a construct that contained the *spr-u-1-6-2* mutation from plasmid P-183 (a single base pair change in the 16S rRNA) and the chloroplast 23S (Cr.LSU) intron, in which site-directed changes had been made. Transformants were selected by spectinomycin resistance. A transformant defective in Cr.LSU self-splicing (P4125A), which grew slowly and was light-sensitive, was then used to isolate suppressor mutations that restored Cr.LSU splicing.

Species

Chlamydomonas

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