

MUT-3883 RbcS2 2-1aa III

Cat. No. ALS-03124

Lot. No. (See product label)

Subcategory

Mutants

Description

MUT-3875 through MUT-3893 are a collection of transformants of the T60-3 Rubisco knockout mutant (MUT-4415). For MUT-3883, the plasmid used for the transformation leading to MUT-3875 was modified by mutating processing site 2 in the transit peptide of the precursor of the Rubisco small subunit such that Met(46) is exchanged by His(46) and a NdeI restriction site is introduced into the DNA. Transformation resulted in complementation of rbcS-T60-3 to normal photoautotrophy. Synthesis of intermediate sized small subunit is enhanced, but mature small subunit is also formed.

Species

Chlamydomonas

Locus

RBCS2

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