MUT-3318 oda9-V27 mt+

Cat. No. *ALS-02762*

Lot. No. (See product label)

Subategory
Mutants

Description
This mutant was generated by insertional mutagenesis of a nit1 agg1 mt+ parental strain, transformed with the plasmid pGP505 containing the wild-type NIT1 allele. NIT+ strains having a slow-swimming, jerky-swimming phenotype were selected. (This phenotype is typical of mutants lacking the outer dynein arms). In this strain, outer dynein arms are absent, and the ODA9 gene is deleted. The NIT+ phenotype can be segregated away from the mutation. Thus, derivatives of this strain would be useful for further transformations using NIT1 as a selectable marker. The genome contains pUC119 but it is not known if the plasmid sequence segregates with the deletion. This mutation does not complement oda9 in diploids.

Species
Chlamydomonas

Locus
ODA9 [DIC1]

Chromosome
12

Phenotype
Impaired motility

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