

# MUT-1028 pf5 mt+

*Cat. No.* ALS-01598

*Lot. No.* (See product label)

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## Subcategory

Mutants

## Description

This stock is derivative pf5.6B+. The two pf5 mutants lacked four flagellar polypeptides: radial spoke components 13 and 15, component 1 of the inner dynein arms, and a low molecular weight axonemal protein whose structural localization was unknown. Working with MUT-1331, which was also originally designated pf5, the mutation in that strain was in the FLA14 gene encoding the dynein light chain LC8, and renamed pf5 as fla14-3. MUT-1028 had a wild-type FLA14 gene, capable of rescuing the MUT-1331 phenotype. It is confirmed the expected linkage of the pf5 mutation in MUT-1028 and its derivatives to linkage group III. we conclude that the mutation in MUT-1028 and the one in MUT-1331 are in different genes, but probably closely linked on the same chromosome.

## Species

Chlamydomonas

## Locus

PF5 [DLL1]

## Chromosome

3

## Phenotype

Impaired motility

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