

MUT-5502 d1blic::D1bLIC-crCherry KAP-GFP mt- [C5]

Cat. No. ALS-04517

Lot. No. (See product label)

Subcategory

Mutants

Description

The original T8D9 background strain contains an insertion in the D1bLIC gene on chromosome 9 that results in defective retrograde IFT and short flagella. This strain contains two transgenes, D1bLIC-crCherry and KAP-GFP. Background: MUT-4487 d1blic [T8D9]. Origin: The D1bLIC-crCherry strain was co-transformed with pHyg3 and KAP-GFP, selected on hygromycin, and screened for the presence of KAP-GFP by fluorescence microscopy. Culture maintenance: Well-flagellated cells require culture in dilute media with rocking or aeration for either 2-4 hours in M-N/5 or overnight in TAP. Comment: The host D1bLIC rescued cells are paralyzed with some wiggling due to the second, uncharacterized mutation in the original T8D9 strain. The KAP-GFP transgene is expressed at the same level as the endogenous wild-type KAP protein.

Species

Chlamydomonas

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY