

Resource Summary Report

Generated by [RRID](#) on Aug 3, 2026

4B6/3598/3442#2/4011C1

RRID:CVCL_ZC43

Type: Cell Line

Proper Citation

RRID:CVCL_ZC43

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_ZC43

Proper Citation: RRID:CVCL_ZC43

Description: Cell line 4B6/3598/3442#2/4011C1 is a Transformed cell line with a species of origin *Mus musculus* (Mouse)

Sex: Sex unspecified

Defining Citation: [PMID:23884459](#)

Comments: Characteristics: Transfected with reverse tetracycline-controlled transactivator (rtTA), a fusion between a mutated version of *E.coli* TetR and the activating domain of HSV-1 VP16., Characteristics: Unlike the parental cell line, this cell line maintains mtDNA at normal levels. This was achieved by introducing into the parental cell line a ligA gene fused to an excisable (FRT/FLPo) mitochondrial targeting sequence (MTS) from human ornithine transcarbamylase. The resulting cell line expresses two ligA variants: one without- and another with MTS. The latter is efficiently imported into mitochondria and therefore normal mtDNA copy number is restored in the transduced cells (Kerafast=ESA104).

Category: Transformed cell line

Organism: *Mus musculus* (Mouse)

Name: 4B6/3598/3442#2/4011C1

Cross References: Kerafast:ESA104, Wikidata:Q98125419

ID: CVCL_ZC43

Hierarchy: cvcl_zc42

Record Creation Time: 20220427T215054+0000

Record Last Update: 20260802T005619+0000

Ratings and Alerts

No rating or validation information has been found for 4B6/3598/3442#2/4011C1.

No alerts have been found for 4B6/3598/3442#2/4011C1.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.