

Resource Summary Report

Generated by RRID on Sep 6, 2026

AG05836

RRID:CVCL_2B58

Type: Cell Line

Proper Citation

Coriell Cat# AG05836, RRID:CVCL_2B58

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_2B58

Proper Citation: Coriell Cat# AG05836, RRID:CVCL_2B58

Description: Cell line AG05836 is a Finite cell line with a species of origin Homo sapiens (Human)

Sex: Female

Comments: Senescence: Senescences at 43 PDL (Coriell=AG05836)., Population: Caucasian., Part of: Baltimore Longitudinal Study of Aging (BLSA) cell line collection.

Category: Finite cell line

Organism: Homo sapiens (Human)

Name: AG05836

Synonyms: AG05836B, GRC#0522

Cross References: CLO:CLO_0035198, Coriell:AG05836, Wikidata:Q54740031

ID: CVCL_2B58

Vendor: Coriell

Catalog Number: AG05836

Record Creation Time: 20220427T215134+0000

Record Last Update: 20260905T184454+0000

Ratings and Alerts

No rating or validation information has been found for AG05836.

No alerts have been found for AG05836.

Data and Source Information

Source: [CelloSaurus](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Chen A, et al. (2024) Hallmark Molecular and Pathological Features of POLG Disease are Recapitulated in Cerebral Organoids. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 11(18), e2307136.

Liang KX, et al. (2024) Activation of Neurotoxic Astrocytes Due to Mitochondrial Dysfunction Triggered by POLG Mutation. *International journal of biological sciences*, 20(8), 2860.

Kristiansen CK, et al. (2023) Deoxyribonucleoside treatment rescues EtBr-induced mtDNA depletion in iPSC-derived neural stem cells with POLG mutations. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 37(9), e23139.

Chen A, et al. (2022) POLG mutations lead to abnormal mitochondrial remodeling during neural differentiation of human pluripotent stem cells via SIRT3/AMPK pathway inhibition. *Cell cycle* (Georgetown, Tex.), 21(11), 1178.

Kristiansen CK, et al. (2022) Comparing the mitochondrial signatures in ESCs and iPSCs and their neural derivations. *Cell cycle* (Georgetown, Tex.), 21(20), 2206.

Chen A, et al. (2021) Nicotinamide Riboside and Metformin Ameliorate Mitophagy Defect in Induced Pluripotent Stem Cell-Derived Astrocytes With POLG Mutations. *Frontiers in cell and developmental biology*, 9, 737304.

Liang KX, et al. (2021) N-acetylcysteine amide ameliorates mitochondrial dysfunction and reduces oxidative stress in hiPSC-derived dopaminergic neurons with POLG mutation. *Experimental neurology*, 337, 113536.

Liang KX, et al. (2020) Disease-specific phenotypes in iPSC-derived neural stem cells with POLG mutations. *EMBO molecular medicine*, 12(10), e12146.