

Resource Summary Report

Generated by [dkNET](#) on Aug 26, 2026

T/G HA-VSMC

RRID:CVCL_4009

Type: Cell Line

Proper Citation

ATCC Cat# CRL-1999, RRID:CVCL_4009

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_4009

Proper Citation: ATCC Cat# CRL-1999, RRID:CVCL_4009

Description: Cell line T/G HA-VSMC is a Finite cell line with a species of origin Homo sapiens (Human)

Sex: Female

Comments: Population: Caucasian.

Category: Finite cell line

Organism: Homo sapiens (Human)

Name: T/G HA-VSMC

Synonyms: T/G HA VSMC, T/G HA-vSMC, T/GHA-VSMC, TGHAVSMC, T/G Human Aortic Vascular Smooth Muscle Cells

Cross References: BTO:BTO_0001962, CLO:CLO_0009237, CLDB:cl4470, ATCC:CRL-1999, BioSample:SAMN03471275, CCRID:4201HUM-CCTCC00632, ECACC:94102702, IZSLER:BS CL 149, Lonza:1084, NCBI_Iran:C591, Wikidata:Q54971378

ID: CVCL_4009

Vendor: ATCC

Catalog Number: CRL-1999

Record Creation Time: 20220427T221617+0000

Record Last Update: 20260815T235931+0000

Ratings and Alerts

No rating or validation information has been found for T/G HA-VSMC.

Warning: Discontinued: ECACC; 94102702
Population: Caucasian.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Zhu Z, et al. (2026) A neurovascular survival axis for adult sympathetic neurons. *Neuron*.

Bao Y, et al. (2025) Long noncoding RNA MIAT regulates VSMC migration by sponging miR-326. *Science progress*, 108(2), 368504251335854.

Liu Y, et al. (2024) CircTMEM165 facilitates endothelial repair by modulating mitochondrial fission via miR-192/SCP2 in vitro and in vivo. *iScience*, 27(4), 109502.

Peng Z, et al. (2023) PKR deficiency delays vascular aging via inhibiting GSDMD-mediated endothelial cell hyperactivation. *iScience*, 26(1), 105909.

Zhou Y, et al. (2023) SMYD2 regulates vascular smooth muscle cell phenotypic switching and intimal hyperplasia via interaction with myocardin. *Cellular and molecular life sciences : CMLS*, 80(9), 264.

Zhou Y, et al. (2023) SMYD2 Regulates Vascular Smooth Muscle Cell Phenotypic Switching and Intimal Hyperplasia via Interaction with Myocardin. *Research square*.

Song W, et al. (2023) Oxidative stress drives vascular smooth muscle cell damage in acute Stanford type A aortic dissection through HIF-1 α /HO-1 mediated ferroptosis. *Heliyon*, 9(12), e22857.

Zhang Q, et al. (2023) Overexpression of LOX-1 in hepatocytes protects vascular smooth muscle cells from phenotype transformation and wire injury induced carotid neoatherosclerosis through ALOX15. *Biochimica et biophysica acta. Molecular basis of disease*, 1869(8), 166805.

Abudupataer M, et al. (2021) Aorta smooth muscle-on-a-chip reveals impaired mitochondrial dynamics as a therapeutic target for aortic aneurysm in bicuspid aortic valve disease. *eLife*, 10.

Ma Y, et al. (2021) Uterine decidual niche modulates the progressive dedifferentiation of spiral artery vascular smooth muscle cells during human pregnancy†. *Biology of reproduction*, 104(3), 624.

Wang W, et al. (2020) MicroRNA-374 is a potential diagnostic biomarker for atherosclerosis and regulates the proliferation and migration of vascular smooth muscle cells. *Cardiovascular diagnosis and therapy*, 10(4), 687.

Huang C, et al. (2020) Ulinastatin Inhibits the Proliferation, Invasion and Phenotypic Switching of PDGF-BB-Induced VSMCs via Akt/eNOS/NO/cGMP Signaling Pathway. *Drug design, development and therapy*, 14, 5505.