

Resource Summary Report

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FH-TET1-pEF

RRID:Addgene_49792

Type: Plasmid

Proper Citation

RRID:Addgene_49792

Plasmid Information

URL: <http://www.addgene.org/49792>

Proper Citation: RRID:Addgene_49792

Insert Name: Tet methylcytosine dioxygenase 1

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:19372391](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:6200; Vector Backbone:pEF1a; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Please note that compared to GenBank reference sequence NM_030625.2, the TET1 insert in this plasmid contains a SNP at amino acid 1123. The resulting I1223M amino acid change does not affect TET1 expression or catalytic activity.

Plasmid Name: FH-TET1-pEF

Ratings and Alerts

No rating or validation information has been found for FH-TET1-pEF.

No alerts have been found for FH-TET1-pEF.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Ren J, et al. (2024) TET1 inhibits the migration and invasion of cervical cancer cells by regulating autophagy. *Epigenetics*, 19(1), 2323751.

Zhong R, et al. (2022) Epigenetic mechanism of L-type calcium channel α -subunit downregulation in short QT human induced pluripotent stem cell-derived cardiomyocytes with CACNB2 mutation. *Europace : European pacing, arrhythmias, and cardiac electrophysiology : journal of the working groups on cardiac pacing, arrhythmias, and cardiac cellular electrophysiology of the European Society of Cardiology*, 24(12), 2028.

Zhong R, et al. (2022) Regulation of Ion Channel Function in Human-Induced Pluripotent Stem Cell-Derived Cardiomyocytes by Cancer Cell Secretion Through DNA Methylation. *Frontiers in cardiovascular medicine*, 9, 839104.

Kojima N, et al. (2020) Quantitative analysis of global 5-methyl- and 5-hydroxymethylcytosine in TET1 expressed HEK293T cells. *Biosensors & bioelectronics*, 167, 112472.