

Resource Summary Report

Generated by [NIF](#) on Jul 31, 2026

pCS2-UTX-F

RRID:Addgene_17438

Type: Plasmid

Proper Citation

RRID:Addgene_17438

Plasmid Information

URL: <http://www.addgene.org/17438>

Proper Citation: RRID:Addgene_17438

Insert Name: UTX

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:18003914](#)

Vector Backbone Description: Backbone Size:4400; Vector Backbone:pCS2+ NLSMT; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Full length human UTX with a C-terminal FLAG was PCR-amplified from MGC clone BC093868 and cloned into the XhoI-XbaI sites downstream of the CMV promoter and in frame with the N-terminal 6myc tag in the pCS2+ NLSMT vector. UTX contains K220E, V503A, N606D and T726K compared to reference sequence (NM_021140.3).

Plasmid Name: pCS2-UTX-F

Record Creation Time: 20220422T222008+0000

Record Last Update: 20260725T074304+0000

Ratings and Alerts

No rating or validation information has been found for pCS2-UTX-F.

No alerts have been found for pCS2-UTX-F.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Wu D, et al. (2023) Reduced female fertility due to sequestration of RNA Pol II by pervasive transcription in exosome RNase-depleted oocytes. *Cell reports*, 42(10), 113247.

Shi B, et al. (2021) UTX condensation underlies its tumour-suppressive activity. *Nature*, 597(7878), 726.

Subhramanyam CS, et al. (2020) Role of PIWI-like 4 in modulating neuronal differentiation from human embryonal carcinoma cells. *RNA biology*, 17(11), 1613.

Kaneko S, et al. (2018) X chromosome protects against bladder cancer in females via a KDM6A-dependent epigenetic mechanism. *Science advances*, 4(6), eaar5598.

Wiedemuth R, et al. (2018) UTX - moonlighting in the cytoplasm? *The international journal of biochemistry & cell biology*, 97, 78.

Kamikawa YF, et al. (2014) The localization of histone H3K27me3 demethylase Jmjd3 is dynamically regulated. *Epigenetics*, 9(6), 834.

Ho AS, et al. (2013) The mutational landscape of adenoid cystic carcinoma. *Nature genetics*, 45(7), 791.

Wang WP, et al. (2012) The EP300, KDM5A, KDM6A and KDM6B chromatin regulators cooperate with KLF4 in the transcriptional activation of POU5F1. *PloS one*, 7(12), e52556.

Shpargel KB, et al. (2012) UTX and UTY demonstrate histone demethylase-independent function in mouse embryonic development. *PLoS genetics*, 8(9), e1002964.