

Resource Summary Report

Generated by [RRID](#) on Sep 6, 2026

BU3 NKX2-1-GFP SFTPC-tdTomato

RRID:CVCL_WN82

Type: Cell Line

Proper Citation

RRID:CVCL_WN82

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_WN82

Proper Citation: RRID:CVCL_WN82

Description: Cell line BU3 NKX2-1-GFP SFTPC-tdTomato is a Induced pluripotent stem cell with a species of origin Homo sapiens (Human)

Sex: Male

Defining Citation: [PMID:28965766](#), [PMID:31924806](#)

Comments: Characteristics: Using CRISPR/Cas9 a 2A-eGFP-pA was inserted after the NKX2-1 coding sequence and using TALENs a tdTomato-pA-loxP-PGKp-PuroR-pA-loxP was inserted at the SFTPC translational start site., Population: Caucasian., From: Center for Regenerative Medicine; Boston; USA.

Category: Induced pluripotent stem cell

Organism: Homo sapiens (Human)

Name: BU3 NKX2-1-GFP SFTPC-tdTomato

Synonyms: BU3 NKX2-1GFP;SFTPCtdTomato, BU3-NGST, BU3 NGST, BU3NGST

Cross References: Wikidata:Q93433163

ID: CVCL_WN82

Hierarchy: cvcl_jw26

Record Creation Time: 20220427T215416+0000

Record Last Update: 20260905T174424+0000

Ratings and Alerts

No rating or validation information has been found for BU3 NKX2-1-GFP SFTPC-tdTomato.

No alerts have been found for BU3 NKX2-1-GFP SFTPC-tdTomato.

Data and Source Information

Source: [CelloSaurus](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Tanneberger AE, et al. (2025) Biomaterial-based 3D human lung models replicate pathological characteristics of early pulmonary fibrosis. bioRxiv : the preprint server for biology.

Tanneberger AE, et al. (2025) Biomaterial-based 3D human lung models replicate pathological characteristics of early pulmonary fibrosis. Acta biomaterialia, 204, 277.

Ng WH, et al. (2022) Recapitulating human cardio-pulmonary co-development using simultaneous multilineage differentiation of pluripotent stem cells. eLife, 11.

Dost AFM, et al. (2020) Organoids Model Transcriptional Hallmarks of Oncogenic KRAS Activation in Lung Epithelial Progenitor Cells. Cell stem cell, 27(4), 663.

Jacob A, et al. (2019) Derivation of self-renewing lung alveolar epithelial type II cells from human pluripotent stem cells. Nature protocols, 14(12), 3303.