

Resource Summary Report

Generated by [dkNET](#) on Sep 13, 2026

BTI-Tn-5B1-4

RRID:CVCL_C190

Type: Cell Line

Proper Citation

RRID:CVCL_C190

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_C190

Proper Citation: RRID:CVCL_C190

Description: Cell line BTI-Tn-5B1-4 is a Spontaneously immortalized cell line with a species of origin *Trichoplusia ni* (Cabbage looper)

Sex: Sex unspecified

Defining Citation: [PMID:1369220](#), [PMID:8314732](#), [PMID:10358729](#), [PMID:10397817](#), [PMID:10585188](#), [PMID:17686877](#), [PMID:19941903](#), [PMID:20300881](#), [PMID:21667340](#), [PMID:23848607](#), [PMID:24375231](#), [PMID:29133148](#), [PMID:29376823](#), [PMID:30449074](#)

Comments: Virology: Infected with alphanodavirus TnCLV., Group: Recombinant protein production insect cell line., Group: Patented cell line., Group: Insect cell line.

Category: Spontaneously immortalized cell line

Organism: *Trichoplusia ni* (Cabbage looper)

Name: BTI-Tn-5B1-4

Synonyms: BTI-TN-5B1-4, BTI-TN5B1-4, BTI-Tn5B14, BTI-Tn 5B1-4, Tn-5B1-4, Tn 5B1-4, Tn5 B1-4, Tn5B1-4, TN5B14, TnH5, High Five, High 5, High-5, High5, Hi-five, Hi-5, Hi5, Tn-5

Cross References: BTO:BTO_0003619, CLO:CLO_0009378, EFO:EFO_0022724, CLDB:cl4535, CCLV:CCLV-RIE 0350, CCRID:4201INS-CCTCC00293, CCTCC:GDC0293, ChEMBL-Cells:ChEMBL3833782, ECACC:94020901, ICLDB:bti-tn-5b1-4, Lonza:1180, PubChem_Cell_line:CVCL_C190, TOKU-E:4051, TOKU-E:4129, Wikidata:Q17126384

ID: CVCL_C190

Hierarchy: cvcl_z410

Record Creation Time: 20220427T215415+0000

Record Last Update: 20260913T002213+0000

Ratings and Alerts

No rating or validation information has been found for BTI-Tn-5B1-4.

Warning: Discontinued: ATCC; CRL-10859

Virology: Infected with alphanodavirus TnCLV., Group: Recombinant protein production insect cell line., Group: Patented cell line., Group: Insect cell line. **Warning:** Discontinued: ECACC; 94020901

Virology: Infected with alphanodavirus TnCLV., Group: Recombinant protein production insect cell line., Group: Patented cell line., Group: Insect cell line.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 34 mentions in open access literature.

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

Fu Y, et al. (2026) In vivo evolution of antibody CR3022 expands cross-neutralization of SARS-CoV-2 variants and informs pan-sarbecovirus immunity. Cell reports, 45(4), 117137.

Henze E, et al. (2025) ATP-release pannexin channels are gated by lysophospholipids. eLife, 14.

Mikolajczyk K, et al. (2025) Expression of a human Gb3/CD77 synthase in insect and human cells: comparison of activity and glycosylation. Protein expression and purification, 236, 106803.

Liu Y, et al. (2024) Cryo-EM structure of monomeric CXCL12-bound CXCR4 in the active state. Cell reports, 43(8), 114578.

Adolf F, et al. (2024) Visualizing chaperone-mediated multistep assembly of the human 20S proteasome. Nature structural & molecular biology, 31(8), 1176.

Huang X, et al. (2024) Cryo-EM structures reveal two allosteric inhibition modes of PI3K??H1047R involving a re-shaping of the activation loop. Structure (London, England : 1993), 32(7), 907.

Fan S, et al. (2024) Molecular mechanism of contactin 2 homophilic interaction. Structure (London, England : 1993), 32(10), 1652.

Gahlot P, et al. (2024) Lysosomal damage sensing and lysophagy initiation by SPG20-ITCH. *Molecular cell*.

Yi SA, et al. (2024) mTORC1-CTLH E3 ligase regulates the degradation of HMG-CoA synthase 1 through the Pro/N-degron pathway. *Molecular cell*, 84(11), 2166.

Sabath K, et al. (2024) Assembly mechanism of Integrator's RNA cleavage module. *Molecular cell*, 84(15), 2882.

Dacon C, et al. (2023) Rare, convergent antibodies targeting the stem helix broadly neutralize diverse betacoronaviruses. *Cell host & microbe*, 31(1), 97.

Zhao C, et al. (2023) Structural and functional analyses of a GPCR-inhibited ion channel TRPM3. *Neuron*, 111(1), 81.

Borowska MT, et al. (2023) Biochemical and biophysical characterization of natural polyreactivity in antibodies. *Cell reports*, 42(10), 113190.

Yuan M, et al. (2023) Widespread impact of immunoglobulin V-gene allelic polymorphisms on antibody reactivity. *Cell reports*, 42(10), 113194.

Kouba T, et al. (2023) Direct observation of backtracking by influenza A and B polymerases upon consecutive incorporation of the nucleoside analog T1106. *Cell reports*, 42(1), 111901.

Yegorov S, et al. (2022) Inactivated and live-attenuated seasonal influenza vaccines boost broadly neutralizing antibodies in children. *Cell reports. Medicine*, 3(2), 100509.

Siraliev-Perez E, et al. (2022) Dynamics of allosteric regulation of the phospholipase C-?? isoforms upon recruitment to membranes. *eLife*, 11.

Vollmers S, et al. (2022) Host KIR/HLA-C Genotypes Determine HIV-Mediated Changes of the NK Cell Repertoire and Are Associated With Vpu Sequence Variations Impacting Downmodulation of HLA-C. *Frontiers in immunology*, 13, 922252.

Zhang A, et al. (2022) Hemagglutinin stalk-binding antibodies enhance effectiveness of neuraminidase inhibitors against influenza via Fc-dependent effector functions. *Cell reports. Medicine*, 3(8), 100718.

Shi F, et al. (2021) ROR and RYK extracellular region structures suggest that receptor tyrosine kinases have distinct WNT-recognition modes. *Cell reports*, 37(3), 109834.