

Resource Summary Report

Generated by [NIF](#) on Sep 5, 2026

Sf9

RRID:CVCL_0549

Type: Cell Line

Proper Citation

CLS Cat# 604328, RRID:CVCL_0549

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0549

Proper Citation: CLS Cat# 604328, RRID:CVCL_0549

Description: Cell line Sf9 is a Spontaneously immortalized cell line with a species of origin Spodoptera frugiperda (Fall armyworm)

Sex: Female

Defining Citation: [PMID:1367489](#), [PMID:1369220](#), [PMID:7615077](#), [PMID:8050503](#), [PMID:8314732](#), [PMID:8799737](#), [PMID:10718368](#), [PMID:10777062](#), [PMID:12052082](#), [PMID:14668217](#), [PMID:15926859](#), [PMID:19003226](#), [PMID:19941903](#), [PMID:20300881](#), [PMID:21667340](#), [PMID:23891577](#), [PMID:24375231](#), [PMID:24672045](#), [PMID:28423032](#), [PMID:28839023](#), [PMID:29038528](#), [PMID:29133148](#)

Comments: Caution: The SfRV rhabdovirus found in Sf9 cells of ATCC CRL-1711 lot 5807852 (PubMed=24672045) does not seem to be expressed in CRL-1711 lot 5814 from 1987 (PubMed=28423032). The SfRV genome is integrated in the Sf9 genome., Anecdotal: Have been flown in space on shuttle flights STS-50 (USML-1), STS-54 and STS-57 (Spacehab-1) to study growth in microgravity (PubMed=8050503)., Karyotypic information: Heterogeneous, contains a mixture of diploid and tetraploid cells., Biotechnology: Used for the production of the Novavax SARS-CoV-2 (COVID-19) vaccine (Trade name: NVX-CoV2373) (DrugBank=DB15810). The cell line is used to produce the recombinant SARS-CoV-2 spike protein rSARS-CoV-2 which is the active part of the vaccine formulation., Group: Vaccine production cell line., Group: Space-flown cell line (cellonaut)., Group: Recombinant protein production insect cell line., Group: Insect cell line.

Category: Spontaneously immortalized cell line

Organism: Spodoptera frugiperda (Fall armyworm)

Name: Sf9

Synonyms: SF9, sf9, SF-9, Sf-9, sf-9, Sf 9, Spodoptera frugiperda clone 9, Sf clone 9, IPLB-Sf-9AE, IPLB-SF-9AE, IPLB-SF-9, IPLB-Sf-9, IPLB-Sf9

Cross References: BTO:BTO_0001240, CLO:CLO_0008988, CLO:CLO_0008989, CLO:CLO_0008990, EFO:EFO_0022745, MCCL:MCC:0000450, CLDB:cl4277, CLDB:cl4278, CLDB:cl4279, ATCC:CRL-1711, BCRC:60011, CCLV:CCLV-RIE 0352, CCRID:1101INS-PUMC000117, CCRID:1102INS-NIFDC00107, CCRID:4201INS-CCTCC00008, CCTCC:GDC0008, ChEMBL-Cells:ChEMBL3308860, CLS:604328, DSMZ:ACC-125, DSMZCellDive:ACC-125, ECACC:89070101, IBRC:C10127, ICLDB:sf9, IZSLER:BS CL 157, KCB:KCB 200807YJ, KCB:KCB 92018YJ, Lonza:1014, MeSH:D061987, NCBI_Iran:C425, NISES:SK0002, PubChem_Cell_line:CVCL_0549, RCB:RCB0563, TOKU-E:3107, Wikidata:Q7459700

ID: CVCL_0549

Vendor: CLS

Catalog Number: 604328

Hierarchy: cvcl_0518

Record Creation Time: 20220624T071321+0000

Record Last Update: 20260904T020113+0000

Ratings and Alerts

No rating or validation information has been found for Sf9.

Warning: Discontinued: RCB; RCB0563

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Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 185 mentions in open access literature.

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

Xie X, et al. (2026) Nucleosome spacing regulates linker methylation by DNMT3A2/3B3. *Molecular cell*, 86(5), 834.

Yue D, et al. (2026) Structural basis of Wnt signalosome extracellular complex assembly. *Cell*, 189(14), 4310.

Kim H, et al. (2026) Thyroid cancer-associated EZH1 Q571R mutation drives chromatin compaction and H3K27me3 invasion into active chromatin. *Molecular cell*, 86(14), 2739.

El Sahili A, et al. (2026) Antibody-drug-conjugates prepared with Peptide Asparaginyl Ligases achieve strong in vitro and in vivo anti-tumor activity. *Molecular cancer therapeutics*.

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.

Li SH, et al. (2026) Childhood immunological imprinting of cross-subtype antibodies targeting the hemagglutinin head domain of influenza viruses. *Cell host & microbe*, 34(5), 873.

Bai Z, et al. (2026) Dynamic dimer-of-dimers architecture defines Mg²⁺ transport in human CNNM4. *Cell*.

Yan H, et al. (2026) Nanoscale conformational dynamics of human propionyl-CoA carboxylase. *Structure (London, England : 1993)*, 34(1), 62.

van Vliet AR, et al. (2026) A Rab1 interactome illuminates a dual role in autophagy and membrane trafficking. *The Journal of cell biology*, 225(3).

Matusevicius M, et al. (2026) Insights from aquaporin structures into drug-resistant sleeping sickness. *eLife*, 14.

Li C, et al. (2026) New Insights Into the Role of Polo-Like Kinase 3 in Lung Tumorigenesis. *Journal of cellular biochemistry*, 127(2), e70084.

Hao Q, et al. (2026) Structure-based design of Sec61 translocon targeting prodrugs minimize off-target toxicity. *Cell chemical biology*, 33(6), 823.

Stokes MS, et al. (2026) NAD⁺ sensing by PARP7 regulates the C/EBP β -dependent transcription program during adipogenesis. *Cell reports*, 45(2), 116929.

Wherley TJ, et al. (2026) Myomaker and ether lipids cooperate to promote fusion-competent membrane states. *Cell reports*, 45(2), 116900.

Vavers E, et al. (2026) Simultaneous Expression of Sigma-1 Receptor and Tetraspanins Highlights Pathways of Receptor Sorting Into Extracellular Vesicles. *Journal of neurochemistry*, 170(4), e70426.

Lu F, et al. (2026) A sterol-binding pocket in iRhom1 underlies paralog-specific regulation of the sheddase ADAM17. *bioRxiv : the preprint server for biology*.

Bhavsar D, et al. (2026) Structural and functional characterization of the antigenicity of influenza A virus hemagglutinin subtype H15. *Cell reports*, 45(1), 116773.

Lupton CJ, et al. (2026) Structure of the lysosomal KICSTOR-GATOR1-SAMTOR nutrient-sensing supercomplex. *Cell*.

Ren X, et al. (2026) Humanization and engineering of protective antibodies targeting severe fever with thrombocytopenia syndrome virus Gn protein. *Cell reports*, 45(2), 116936.

Wang Y, et al. (2025) GABAA receptor ?? forms channels that stimulate ERK through a G-protein-dependent pathway. *Molecular cell*, 85(1), 166.