

Resource Summary Report

Generated by [NIF](#) on Aug 30, 2026

Sf21

RRID:CVCL_0518

Type: Cell Line

Proper Citation

DSMZ Cat# ACC-119, RRID:CVCL_0518

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0518

Proper Citation: DSMZ Cat# ACC-119, RRID:CVCL_0518

Description: Cell line Sf21 is a Spontaneously immortalized cell line with a species of origin *Spodoptera frugiperda* (Fall armyworm)

Sex: Female

Defining Citation: [PMID:68913](#), [PMID:1367489](#), [PMID:1369220](#), [PMID:8314732](#), [PMID:8799737](#), [PMID:10475266](#), [PMID:10585188](#), [PMID:10777062](#), [PMID:10852353](#), [PMID:12623313](#), [PMID:15038778](#), [PMID:15926859](#), [PMID:16346059](#), [PMID:16409117](#), [PMID:22797937](#), [PMID:24672045](#), [PMID:29133148](#)

Comments: Group: Recombinant protein production insect cell line., Group: Insect cell line.

Category: Spontaneously immortalized cell line

Organism: *Spodoptera frugiperda* (Fall armyworm)

Name: Sf21

Synonyms: SF21, Sf-21, SF-21, IPLB-SF-21-AE, IPLB-Sf21-AE, IPLB-SF21-AE, IPLB-SF 21AE, IPLB-Sf21AE, IPLB-SF21AE, IPLB-SF-21, IPLB-Sf-21, IPLB-SF 21, IPLB-Sf21, IPLB-SF21

Cross References: BTO:BTO_0001196, CLO:CLO_0008987, EFO:EFO_0022744, MCCL:MCC:0000416, CLDB:cl2906, CCRID:4201INS-CCTCC00020, CCTCC:GDC0020, ChEMBL-Cells:ChEMBL4106362, DSMZ:ACC-119, DSMZCellDive:ACC-119, ECACC:05022801, ICLDB:iplb-sf21, KCB:KCB 2010008YJ, Lonza:1183, NCBI_Iran:C503, PubChem_Cell_line:CVCL_0518, Wikidata:Q2276068

ID: CVCL_0518

Vendor: DSMZ

Catalog Number: ACC-119

Record Creation Time: 20220427T221537+0000

Record Last Update: 20260829T235919+0000

Ratings and Alerts

No rating or validation information has been found for Sf21.

No alerts have been found for Sf21.

Data and Source Information

Source: [CelloSaurus](#)

Usage and Citation Metrics

We found 171 mentions in open access literature.

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

Labour?? T, et al. (2026) Structures of the honeybee GABAA RDL receptor illuminate allosteric modulation. *Neuron*, 114(7), 1234.

Chhokar A, et al. (2026) Development of a novel multi-locus Flow-FISH based assay for detection of progressive cervical precancer lesions. *BMC cancer*, 26(1).

Cheng LY, et al. (2026) Applying Baculovirus Surface Display Technology for Influenza Cytokine Profiling, Serological Detection and Antiviral Screening. *Microbial biotechnology*, 19(6), e70393.

Pagliarini RA, et al. (2025) STX-721, a Covalent EGFR/HER2 Exon 20 Inhibitor, Utilizes Exon 20-Mutant Dynamic Protein States and Achieves Unique Mutant Selectivity Across Human Cancer Models. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 31(14), 3002.

Devlin JR, et al. (2025) A CDK11-dependent RNA polymerase II pause-checkpoint precedes CDK9-mediated transition to transcriptional elongation. *Molecular cell*, 85(17), 3256.

Yoshida Y, et al. (2024) Sugar-mediated non-canonical ubiquitination impairs Nrf1/NFE2L1 activation. *Molecular cell*, 84(16), 3115.

Zeng X, et al. (2024) Discovery of metal-binding proteins by thermal proteome profiling. *Nature chemical biology*.

- Nishio K, et al. (2023) Defective import of mitochondrial metabolic enzyme elicits ectopic metabolic stress. *Science advances*, 9(15), eadf1956.
- Anderson TK, et al. (2023) An alphacoronavirus polymerase structure reveals conserved co-factor functions. *bioRxiv : the preprint server for biology*.
- Liberti R, et al. (2023) Expression of a recombinant ASFV P30 protein and production of monoclonal antibodies. *Open veterinary journal*, 13(3), 358.
- Hoste ACR, et al. (2023) Multiplex Assay for Simultaneous Detection of Antibodies against Crimean-Congo Hemorrhagic Fever Virus Nucleocapsid Protein and Glycoproteins in Ruminants. *Microbiology spectrum*, 11(2), e0260022.
- Pekovic F, et al. (2023) RNA binding proteins Smaug and Cup induce CCR4-NOT-dependent deadenylation of the nanos mRNA in a reconstituted system. *Nucleic acids research*, 51(8), 3950.
- Zheng Y, et al. (2023) To Target or Not to Target *Schistosoma mansoni* Cyclic Nucleotide Phosphodiesterase 4A? *International journal of molecular sciences*, 24(7).
- Dans MG, et al. (2023) Sulfonylpiperazine compounds prevent *Plasmodium falciparum* invasion of red blood cells through interference with actin-1/profilin dynamics. *PLoS biology*, 21(4), e3002066.
- Ball CB, et al. (2022) Nuclear export restricts Gdown1 to a mitotic function. *Nucleic acids research*, 50(4), 1908.
- Schaly S, et al. (2022) Alginate-Chitosan Hydrogel Formulations Sustain Baculovirus Delivery and VEGFA Expression Which Promotes Angiogenesis for Wound Dressing Applications. *Pharmaceuticals (Basel, Switzerland)*, 15(11).
- Müller IK, et al. (2022) Structure of an MHC I-tapasin-ERp57 editing complex defines chaperone promiscuity. *Nature communications*, 13(1), 5383.
- Chaker-Margot M, et al. (2022) Structural basis of activation of the tumor suppressor protein neurofibromin. *Molecular cell*, 82(7), 1288.
- Li L, et al. (2022) The XRN1-regulated RNA helicase activity of YTHDC2 ensures mouse fertility independently of m6A recognition. *Molecular cell*, 82(9), 1678.
- Aulicino F, et al. (2022) Highly efficient CRISPR-mediated large DNA docking and multiplexed prime editing using a single baculovirus. *Nucleic acids research*, 50(13), 7783.