Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 3, 2025

COS-7

RRID:CVCL_0224
Type: Cell Line

Proper Citation

(CLS Cat# 605470, RRID:CVCL_0224)

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0224

Proper Citation: (CLS Cat# 605470, RRID:CVCL_0224)

Sex: Male

Defining Citation: PMID:6260373, PMID:22059503, PMID:29468137

Comments: Virology: Highly susceptible to infection by Zika virus (ZIKV) (PubMed=29468137)., Group: Non-human primate cell line.

Category: Transformed cell line

Name: COS-7

Synonyms: Cos-7, COS 7, Cos 7, COS7, Cos7, CV-1 in Origin Simian-7

Cross References: BTO:BTO_0000298, CLO:CLO_0002597, CLO:CLO_0050508, EFO:EFO_0022725, MCCL:MCC:0000112, CLDB:cl890, CLDB:cl891, CLDB:cl892, CLDB:cl893, AddexBio:T0014002/35, ATCC:CRL-1651, BCRC:60094, BCRJ:0071, CCRID:1101MON-PUMC000033, CCRID:3101MONGNO2, CCRID:3101MONSCSP508, CCRID:5301MON-KCB93019YJ, CCTCC:GDC0609, ChEMBL-Cells:CHEMBL3307648, ChEMBL-Targets:CHEMBL614564, CLS:605470, DSMZ:ACC-60, DSMZCellDive:ACC-60, ECACC:87021302, FCS-free:47-11-47-1-8-9, IBRC:C10146, ICLC:ATL96005, IZSLER:BS CL 103, JCRB:IFO50068, JCRB:JCRB9127, KCB:KCB 93019YJ, KCLB:21651, Lonza:587, MeSH:D019556, NCBI_Iran:C143, PubChem_Cell_line:CVCL_0224, RCB:RCB0539, TKG:TKG 0514, TOKU-E:993, Wikidata:Q27556092

ID: CVCL_0224

Vendor: CLS

Catalog Number: 605470

Record Creation Time: 20250131T194802+0000

Record Last Update: 20250131T195347+0000

Ratings and Alerts

No rating or validation information has been found for COS-7.

No alerts have been found for COS-7.

Data and Source Information

Source: Cellosaurus

Usage and Citation Metrics

We found 4922 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Alvarez S, et al. (2024) Netrin1 patterns the dorsal spinal cord through modulation of Bmp signaling. Cell reports, 43(11), 114954.

Kim N, et al. (2024) Repulsive Sema3E-Plexin-D1 signaling coordinates both axonal extension and steering via activating an autoregulatory factor, Mtss1. eLife, 13.

Thapa N, et al. (2024) A p85 isoform switch enhances PI3K activation on endosomes by a MAP4- and PI3P-dependent mechanism. Cell reports, 43(5), 114119.

Geng Q, et al. (2024) The kinesin-3 KIF1C undergoes liquid-liquid phase separation for accumulation of specific transcripts at the cell periphery. The EMBO journal, 43(15), 3192.

Trenker R, et al. (2024) Structural dynamics of the active HER4 and HER2/HER4 complexes is finely tuned by different growth factors and glycosylation. eLife, 12.

Cardoen B, et al. (2024) Membrane contact site detection (MCS-DETECT) reveals dual control of rough mitochondria-ER contacts. The Journal of cell biology, 223(1).

Falahati H, et al. (2024) Ectopic reconstitution of a spine-apparatus-like structure provides insight into mechanisms underlying its formation. Current biology : CB.

Cao B, et al. (2024) Mutant dominant-negative rhodopsin?I256 causes protein aggregates

degraded via ERAD and prevents normal rhodopsin from proper membrane trafficking. Frontiers in molecular biosciences, 11, 1369000.

Singh AK, et al. (2024) Nemo-like kinase blocks myeloid differentiation by targeting tumor suppressor C/EBP? in AML. The FEBS journal, 291(20), 4539.

Pedersen CN, et al. (2024) Cryo-EM structure of the dopamine transporter with a novel atypical non-competitive inhibitor bound to the orthosteric site. Journal of neurochemistry, 168(9), 2043.

Mukherjee S, et al. (2024) "Radical" differences between two FLIM microscopes affect interpretation of cell signaling dynamics. iScience, 27(7), 110268.

Garelja ML, et al. (2024) Pharmacological characterisation of erenumab, Aimovig, at two calcitonin gene-related peptide responsive receptors. British journal of pharmacology, 181(1), 142.

Song Y, et al. (2024) Using an ER-specific optogenetic mechanostimulator to understand the mechanosensitivity of the endoplasmic reticulum. Developmental cell, 59(11), 1396.

Kutzsche J, et al. (2024) An orally available Cav2.2 calcium channel inhibitor for the treatment of neuropathic pain. British journal of pharmacology, 181(12), 1734.

Cheng X, et al. (2024) Astrocytes modulate brain phosphate homeostasis via polarized distribution of phosphate uptake transporter PiT2 and exporter XPR1. Neuron, 112(18), 3126.

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

White CW, et al. (2024) CXCL17 is an allosteric inhibitor of CXCR4 through a mechanism of action involving glycosaminoglycans. Science signaling, 17(828), eabl3758.

Wu Z, et al. (2024) Molecular basis for pH sensing in the KDEL trafficking receptor. Structure (London, England : 1993), 32(7), 866.

Le Dréan ME, et al. (2024) The regulation of enteric neuron connectivity by semaphorin 5A is affected by the autism-associated S956G missense mutation. iScience, 27(5), 109638.

Rinné S, et al. (2024) Popeye domain containing proteins modulate the voltage-gated cardiac sodium channel Nav1.5. iScience, 27(5), 109696.