

Resource Summary Report

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L6

RRID:CVCL_0385

Type: Cell Line

Proper Citation

ABM Cat# T0771, RRID:CVCL_0385

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0385

Proper Citation: ABM Cat# T0771, RRID:CVCL_0385

Description: Cell line L6 is a Transformed cell line with a species of origin Rattus norvegicus (Rat)

Sex: Male

Defining Citation: [PMID:1311324](#), [PMID:5245982](#), [PMID:5481965](#), [PMID:7297605](#), [PMID:10484371](#), [PMID:33117511](#)

Comments: Anecdotal: Called L6 by David Yaffe because he and Sara Neuman established the cell line during the Six-Day war in 1967 (PubMed=33117511).

Category: Transformed cell line

Organism: Rattus norvegicus (Rat)

Name: L6

Synonyms: L-6, L-6 myoblast

Cross References: BTO:BTO_0002809, CLO:CLO_0007203, EFO:EFO_0022767, MCCL:MCC:0000280, CLDB:cl3142, CLDB:cl5220, ABM:T0771, ATCC:CRL-1458, BCRJ:0141, CCRID:1101RAT-PUMC000192, CCRID:3101RATGNR4, ChEMBL-Cells:ChEMBL3308469, ChEMBL-Targets:ChEMBL614793, CLS:305231, IZSLER:BS CL 134, JCRB:IFO50364, JCRB:JCRB9081, KCLB:21458, Kerafast:ESK201-FP, Lonza:927, PRIDE:PXD002557, PubChem_Cell_line:CVCL_0385, Wikidata:Q54901051

ID: CVCL_0385

Vendor: ABM

Catalog Number: T0771

Record Creation Time: 20250423T101109+0000

Record Last Update: 20260830T002748+0000

Ratings and Alerts

No rating or validation information has been found for L6.

No alerts have been found for L6.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 27 mentions in open access literature.

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

Toosky M, et al. (2026) Assessment of mitochondrial viability under calcium Stress: Insights for mitochondrial transplantation. Mitochondrion, 86, 102098.

Kumar P, et al. (2026) 2-Amino-5-hydroxyhexanoic acid mitigates diabetes-induced skeletal muscle atrophy by preserving protein homeostasis. Fitoterapia, 193, 107409.

Liu L, et al. (2026) Evaluation of the Hypoglycemic Mechanism of a Polyherbal Formulation by Integrating Network Pharmacology and Pharmacology Experiments. Chemistry & biodiversity, 23(4), e71179.

Kampamba M, et al. (2026) In Vitro Antidiabetic Activity and Mechanism of Action of Methanolic Extract of Opuntia stricta Cladodes. BioMed research international, 2026(1), e9325356.

Chan KC, et al. (2026) Progranulin Regulates Protein Synthesis in Myocytes Through an Ephrin Type A Receptor 2-Dependent Pathway. Acta physiologica (Oxford, England), 242(4), e70182.

Lowe S, et al. (2026) Targeting Kinetoplastid Parasites with ProTide Prodrugs: A Proof-of-Concept Study. ChemMedChem, 21(7), e202501072.

Albarrati AM, et al. (2026) Ion-Dependent ATPase Activity and Metabolic Gene Expression in TNF- α -Challenged Skeletal Muscle Cells: Mechanistic Characterisation of Carvacrol's Bioenergetic Effects. International journal of molecular sciences, 27(10).

Zhang X, et al. (2025) Arachidonic acid triggers spermidine synthase secretion from primary tumor to induce skeletal muscle weakness upon irradiation. Cell metabolism, 37(8), 1766.

Waliaveettil FA, et al. (2025) PEGylated Platinum Nanoparticles: A Comprehensive Study of Their Analgesic and Anti-Inflammatory Effects. *ACS applied bio materials*, 8(1), 628.

Kuo CH, et al. (2024) Angiopoietin-like protein 4 induces growth hormone variant secretion and aggravates insulin resistance during pregnancy, linking obesity to gestational diabetes mellitus. *BioFactors* (Oxford, England).

Tam E, et al. (2024) MitoNEET preserves muscle insulin sensitivity during iron overload by regulating mitochondrial iron, reactive oxygen species and fission. *The FEBS journal*, 291(18), 4062.

Needham EJ, et al. (2024) Personalized phosphoproteomics of skeletal muscle insulin resistance and exercise links MINDY1 to insulin action. *Cell metabolism*, 36(12), 2542.

Silver J, et al. (2024) Purification of mitochondria from skeletal muscle tissue for transcriptomic analyses reveals localization of nuclear-encoded noncoding RNAs. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 38(23), e70223.

Salvador GHM, et al. (2024) Inhibitors and activators for myotoxic phospholipase A2-like toxins from snake venoms - A structural overview. *Biochimie*, 227(Pt A), 231.

Khoury H, et al. (2024) Acetoacetate and d- and l- β -hydroxybutyrate have distinct effects on basal and insulin-stimulated glucose uptake in L6 skeletal muscle cells. *American journal of physiology. Cell physiology*, 326(6), C1710.

Tan J, et al. (2024) Limited oxygen in standard cell culture alters metabolism and function of differentiated cells. *The EMBO journal*, 43(11), 2127.

Ryan PJ, et al. (2024) The autophagy inhibitor NSC185058 suppresses mTORC1-mediated protein anabolism in cultured skeletal muscle. *Scientific reports*, 14(1), 8094.

Bate-Eya LT, et al. (2024) Sustained cancer-relevant alternative RNA splicing events driven by PRMT5 in high-risk neuroblastoma. *Molecular oncology*.

Tan L, et al. (2023) Quantitative Analysis of Acetyl-CoA, Malonyl-CoA, and Succinyl-CoA in Myocytes. *Journal of the American Society for Mass Spectrometry*, 34(11), 2567.

Zhou HL, et al. (2023) An enzyme that selectively S-nitrosylates proteins to regulate insulin signaling. *Cell*, 186(26), 5812.