

Resource Summary Report

Generated by [dkNET](#) on Aug 24, 2026

A7r5

RRID:CVCL_0137

Type: Cell Line

Proper Citation

RRID:CVCL_0137

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0137

Proper Citation: RRID:CVCL_0137

Description: Cell line A7r5 is a Spontaneously immortalized cell line with a species of origin Rattus norvegicus (Rat)

Sex: Sex unspecified

Defining Citation: [PMID:943301](#), [PMID:24628920](#)

Category: Spontaneously immortalized cell line

Organism: Rattus norvegicus (Rat)

Name: A7r5

Synonyms: A7R5

Cross References: BTO:BTO_0000019, CLO:CLO_0001614, MCCL:MCC:0000030, CLDB:cl214, CLDB:cl215, ATCC:CRL-1444, BCRC:60082, BCRJ:0034, CCRID:3101RATGNR7, ChEMBL-Cells:ChEMBL3833741, CLS:305198, ECACC:86050803, IZSLER:BS CL 162, KCB:KCB 2010186YJ, Lonza:997, NCBI_Iran:C607, PubChem_Cell_line:CVCL_0137, Wikidata:Q54607214

ID: CVCL_0137

Record Creation Time: 20220427T215107+0000

Record Last Update: 20260816T001652+0000

Ratings and Alerts

No rating or validation information has been found for A7r5.

No alerts have been found for A7r5.

Data and Source Information

Source: [CelloSaurus](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Lohanadan K, et al. (2026) Characterization of synaptopodin in striated and smooth muscles: isoform spectrum, expression patterns, localization and protein interactions. *Experimental cell research*, 459(2), 114990.

Poore CP, et al. (2024) Enhanced isradipine sensitivity in vascular smooth muscle cells due to hypoxia-induced Cav1.2 splicing and RbFox1/Fox2 downregulation. *The FEBS journal*, 291(19), 4265.

Schreier B, et al. (2021) Synergy of epidermal growth factor (EGFR) and angiotensin II (AT1R) receptor determines composition and temporal pattern of transcriptome variation. *Cellular and molecular life sciences : CMLS*, 79(1), 57.

Huang H, et al. (2021) A pre-screening strategy to assess resected tumor margins by imaging cytoplasmic viscosity and hypoxia. *eLife*, 10.

Yao C, et al. (2021) Rolling circle amplification (RCA)-based DNA hydrogel. *Nature protocols*, 16(12), 5460.

Ogola BO, et al. (2019) G Protein-Coupled Estrogen Receptor Protects From Angiotensin II-Induced Increases in Pulse Pressure and Oxidative Stress. *Frontiers in endocrinology*, 10, 586.

Hutson DD, et al. (2019) Estrogen receptor profiles across tissues from male and female *Rattus norvegicus*. *Biology of sex differences*, 10(1), 4.

Su SC, et al. (2019) Cilostazol inhibits hyperglucose-induced vascular smooth muscle cell dysfunction by modulating the RAGE/ERK/NF- κ B signaling pathways. *Journal of biomedical science*, 26(1), 68.