

Resource Summary Report

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GH3

RRID:CVCL_0273

Type: Cell Line

Proper Citation

(RRID:CVCL_0273)

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0273

Proper Citation: (RRID:CVCL_0273)

Description: Cell line GH3 is a Cancer cell line with a species of origin Rattus norvegicus (Rat)

Sex: Female

Disease: Rat pituitary gland neoplasm

Defining Citation: [PMID:218079](#), [PMID:4327442](#), [PMID:4951281](#), [PMID:5513559](#), [PMID:15541569](#)

Comments: Breed/subspecies: Wistar Furth., Derived from sampling site: Pituitary gland., Doubling time: ~60-90 hours (DSMZ=ACC-469).

Category: Cancer cell line

Organism: Rattus norvegicus (Rat)

Name: GH3

Synonyms: GH 3

Cross References: BTO:BTO:0001410, CLO:CLO_0003482, CLO:CLO_0003484, CLO:CLO_0003487, MCCL:MCC:0000164, CLDB:cl1455, CLDB:cl1456, CLDB:cl1457, CLDB:cl1458, ATCC:CCL-82.1, BCRC:60015, BCRJ:0090, CCRID:1101RAT-PUMC000008, ChEMBL-Cells:ChEMBL3307652, ChEMBL-Targets:ChEMBL614571, CLS:300383, DSMZ:ACC-469, DSMZCellDive:ACC-469, ECACC:87012603, ICLC:ATL96003, IZSLER:BS

TCL 18, JCRB:IFO50105, JCRB:JCRB9047, KCLB:10082.1, Lonza:613, PubChem_Cell_line:CVCL_0273, TOKU-E:1327, Wikidata:Q54835769

ID: CVCL_0273

Originate from Same Individual: CVCL_0610

Record Creation Time: 20220427T215901+0000

Record Last Update: 20250525T103941+0000

Ratings and Alerts

No rating or validation information has been found for GH3.

No alerts have been found for GH3.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 9 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Stallings CE, et al. (2024) FOXO1 regulates expression of Neurod4 in the pituitary gland. Molecular and cellular endocrinology, 583, 112128.

Dalle Nogare M, et al. (2023) The Methylation Analysis of the Glucose-Dependent Insulinotropic Polypeptide Receptor (GIPR) Locus in GH-Secreting Pituitary Adenomas. International journal of molecular sciences, 24(11).

Zhou C, et al. (2022) Pituitary Somatotroph Adenoma-derived Exosomes: Characterization of Nonhormonal Actions. The Journal of clinical endocrinology and metabolism, 107(2), 379.

Vélez EJ, et al. (2021) Nesfatin-1 and Nesfatin-1-like peptide suppress basal and TRH-Induced expression of prolactin and prolactin regulatory element-binding protein mRNAs in rat GH3 somatolactotrophs. Molecular and cellular endocrinology, 529, 111269.

Tan Z, et al. (2021) Exploiting D2 receptor γ -arrestin2-biased signalling to suppress tumour growth of pituitary adenomas. British journal of pharmacology, 178(17), 3570.

Yang M, et al. (2020) OXR1A, a Coactivator of PRMT5 Regulating Histone Arginine Methylation. Cell reports, 30(12), 4165.

Bogner EM, et al. (2020) miR-34a is upregulated in AIP-mutated somatotropinomas and promotes octreotide resistance. *International journal of cancer*, 147(12), 3523.

Lee SJ, et al. (2020) Blunted Vagal Cocaine- and Amphetamine-Regulated Transcript Promotes Hyperphagia and Weight Gain. *Cell reports*, 30(6), 2028.

Vélez EJ, et al. (2020) Nesfatin-1 and nesfatin-1-like peptide suppress growth hormone synthesis via the AC/PKA/CREB pathway in mammalian somatotrophs. *Scientific reports*, 10(1), 16686.