

Resource Summary Report

Generated by [RRID](#) on Aug 28, 2026

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

Sex: Female

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

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: 20260815T232839+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 13 mentions in open access literature.

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

Dalle Nogare M, et al. (2025) GIPR in GH-PitNETs: molecular and functional insights. Endocrine-related cancer, 32(10).

Das P, et al. (2025) The interplay between FOXO1 and glucocorticoid signaling in promoting the terminal differentiation of somatotropes. Molecular and cellular endocrinology, 606, 112573.

Valla SA, et al. (2025) Pituitary folliculo-stellate cells modulate tumor vasculature and extracellular matrix composition in experimental lactosomatotropinomas. Biochemical and biophysical research communications, 767, 151876.

Jensen MH, et al. (2025) GIP Receptor Antagonism Eliminates Paradoxical Growth Hormone Secretion in Some Patients With Acromegaly. The Journal of clinical endocrinology and metabolism, 110(3), 715.

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.

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.

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.

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.

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.