

Resource Summary Report

Generated by [NIF](#) on Sep 10, 2026

HEK293S GnTI-

RRID:CVCL_A785

Type: Cell Line

Proper Citation

ATCC Cat# CRL-3022, RRID:CVCL_A785

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_A785

Proper Citation: ATCC Cat# CRL-3022, RRID:CVCL_A785

Description: Cell line HEK293S GnTI- is a Transformed cell line with a species of origin Homo sapiens (Human)

Sex: Female

Defining Citation: [PMID:12370423](#), [PMID:25182477](#)

Comments: Characteristics: Lacks N-acetylglucosaminyltransferase I activity and accordingly predominantly modifies glycoproteins with the Man5GlcNAc2 N-glycan. Used for the production of homogenously N-glycosylated proteins (PubMed=25182477).

Category: Transformed cell line

Organism: Homo sapiens (Human)

Name: HEK293S GnTI-

Synonyms: 293SGnTI(-), HEK293SG, 293SG

Cross References: EFO:EFO_0022686, ATCC:CRL-3022, Wikidata:Q54882485

ID: CVCL_A785

Vendor: ATCC

Catalog Number: CRL-3022

Hierarchy: cvcl_a784

Record Creation Time: 20250130T071618+0000

Ratings and Alerts

No rating or validation information has been found for HEK293S GnTI-.

No alerts have been found for HEK293S GnTI-.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 114 mentions in open access literature.

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

Williams C, et al. (2026) Design principles of a membrane-spanning ubiquitin ligase. *Molecular cell*, 86(11), 2207.

Zhang W, et al. (2026) A poly(I:C)/QS-21-based in situ vaccine synergizes with anti-PD-1 therapy to overcome tumor immunoresistance. *Cell reports. Medicine*, 102932.

Yue D, et al. (2026) Structural basis of Wnt signalosome extracellular complex assembly. *Cell*, 189(14), 4310.

Chhan CB, et al. (2026) Transgenic mouse-derived human monoclonal antibodies targeting EBV gp350 and gp42 provide basis for therapeutic development. *Cell reports. Medicine*, 7(2), 102618.

Lu F, et al. (2026) A sterol-binding pocket in iRhom1 underlies paralog-specific regulation of the sheddase ADAM17. *bioRxiv : the preprint server for biology*.

Wacharapluesadee S, et al. (2026) Virological characteristics of SARS-CoV-2-related coronaviruses dynamically circulating in Southeast Asia. *Cell*, 189(13), 4075.

Yan H, et al. (2026) Nanoscale conformational dynamics of human propionyl-CoA carboxylase. *Structure (London, England : 1993)*, 34(1), 62.

Bell B, et al. (2025) Structures of invertebrate PEZO-1 isoforms with a compact architecture and a dispensable pore-distal N-terminal blade. *Cell reports*, 45(1), 116878.

Jeon HM, et al. (2025) Cryo-EM structures of human OAT1 reveal drug binding and inhibition mechanisms. *Structure (London, England : 1993)*.

Houser A, et al. (2025) Structural insights into subunit-dependent functional regulation in epithelial sodium channels. *Structure (London, England : 1993)*, 33(2), 349.

Henze E, et al. (2025) ATP-release pannexin channels are gated by lysophospholipids. *eLife*, 14.

Li J, et al. (2025) A regulator of amino acid sensing links lipid peroxidation and lipid droplet-dependent antioxidant response. *Molecular cell*, 85(17), 3225.

Wang X, et al. (2025) KIDINS220 and InsP8 safeguard the stepwise regulation of phosphate exporter XPR1. *Molecular cell*, 85(17), 3209.

Huang X, et al. (2025) Structural insights into the diverse actions of magnesium on NMDA receptors. *Neuron*, 113(7), 1006.

Li L, et al. (2025) Design of NanoBiT-Nanobody-based FGL1 biosensors for early assisted diagnosis of esophageal cancer. *Biomaterials*, 320, 123286.

Chen Q, et al. (2025) Structures and mechanisms of the ABC transporter ABCB1 from *Arabidopsis thaliana*. *Structure (London, England : 1993)*, 33(5), 903.

Zhou RW, et al. (2025) Safe immunosuppression-resistant pan-cancer immunotherapeutics by velcro-like density-dependent targeting of tumor-associated carbohydrate antigens. *Cell*.

Zhang H, et al. (2025) Unveiling conformation-selective regulation of the norepinephrine transporter. *Cell*, 188(24), 6861.

Segura-Covarrubias G, et al. (2025) Structural basis of GluK2 kainate receptor activation by a partial agonist. *Nature structural & molecular biology*, 32(8), 1456.

Zhang H, et al. (2025) Discovery and structural basis of endogenous and exogenous inhibitors of the proton-activated-chloride channel. *Cell reports*, 44(7), 115998.