Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 19, 2025

HEK-293T-hACE2

RRID:CVCL_A7UK
Type: Cell Line

Proper Citation

(BEI_Resources Cat# NR-52511, RRID:CVCL_A7UK)

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_A7UK

Proper Citation: (BEI_Resources Cat# NR-52511, RRID:CVCL_A7UK)

Sex: Female

Defining Citation: PMID:33495308

Comments: Characteristics: Expresses ACE2 under the control of the EF1a promoter (BEI_Resources=NR-52511)., Group: SARS-CoV-2 research cell line.

Category: Transformed cell line

Name: HEK-293T-hACE2

Synonyms: 293T-ACE2

Cross References: BEI_Resources:NR-52511, Wikidata:Q107115255

ID: CVCL_A7UK

Vendor: BEI_Resources

Catalog Number: NR-52511

Record Creation Time: 20250131T200341+0000

Record Last Update: 20250131T201550+0000

Ratings and Alerts

No rating or validation information has been found for HEK-293T-hACE2.

No alerts have been found for HEK-293T-hACE2.

Data and Source Information

Source: Cellosaurus

Usage and Citation Metrics

We found 34 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Li P, et al. (2024) Distinct patterns of SARS-CoV-2 BA.2.87.1 and JN.1 variants in immune evasion, antigenicity, and cell-cell fusion. mBio, 15(5), e0075124.

Li P, et al. (2024) Characteristics of JN.1-derived SARS-CoV-2 subvariants SLip, FLiRT, and KP.2 in neutralization escape, infectivity and membrane fusion. bioRxiv : the preprint server for biology.

Cohen AA, et al. (2024) Mosaic sarbecovirus vaccination elicits cross-reactive responses in pre-immunized animals. bioRxiv : the preprint server for biology.

Faraone JN, et al. (2024) Neutralizing antibody response to SARS-CoV-2 bivalent mRNA vaccine in SIV-infected rhesus macaques: Enhanced immunity to XBB subvariants by two-dose vaccination. Journal of medical virology, 96(3), e29520.

Li P, et al. (2024) Distinct Patterns of SARS-CoV-2 BA.2.87.1 and JN.1 Variants in Immune Evasion, Antigenicity and Cell-Cell Fusion. bioRxiv : the preprint server for biology.

Li P, et al. (2024) Neutralization and Stability of JN.1-derived LB.1, KP.2.3, KP.3 and KP.3.1.1 Subvariants. bioRxiv : the preprint server for biology.

Qu P, et al. (2024) Immune evasion, infectivity, and fusogenicity of SARS-CoV-2 BA.2.86 and FLip variants. Cell, 187(3), 585.

Li P, et al. (2024) Neutralization escape, infectivity, and membrane fusion of JN.1-derived SARS-CoV-2 SLip, FLiRT, and KP.2 variants. Cell reports, 43(8), 114520.

Li P, et al. (2024) Immune Evasion, Cell-Cell Fusion, and Spike Stability of the SARS-CoV-2 XEC Variant: Role of Glycosylation Mutations at the N-terminal Domain. bioRxiv : the preprint server for biology.

Qu P, et al. (2023) Determinants and Mechanisms of the Low Fusogenicity and High Dependence on Endosomal Entry of Omicron Subvariants. mBio, 14(1), e0317622.

Faraone JN, et al. (2023) Neutralization escape of Omicron XBB, BR.2, and BA.2.3.20 subvariants. Cell reports. Medicine, 4(5), 101049.

Subhadra B, et al. (2023) Significant Broad-Spectrum Antiviral Activity of Bi121 against Different Variants of SARS-CoV-2. Viruses, 15(6).

Qu P, et al. (2023) Immune Evasion, Infectivity, and Fusogenicity of SARS-CoV-2 Omicron BA.2.86 and FLip Variants. bioRxiv : the preprint server for biology.

Qu P, et al. (2023) Enhanced evasion of neutralizing antibody response by Omicron XBB.1.5, CH.1.1, and CA.3.1 variants. Cell reports, 42(5), 112443.

Faraone JN, et al. (2023) Immune evasion and membrane fusion of SARS-CoV-2 XBB subvariants EG.5.1 and XBB.2.3. Emerging microbes & infections, 12(2), 2270069.

Qu P, et al. (2023) Extraordinary Evasion of Neutralizing Antibody Response by Omicron XBB.1.5, CH.1.1 and CA.3.1 Variants. bioRxiv : the preprint server for biology.

Guerra D, et al. (2023) Broad SARS-CoV-2 neutralization by monoclonal and bispecific antibodies derived from a Gamma-infected individual. iScience, 26(10), 108009.

Khatun O, et al. (2023) SARS-CoV-2 ORF6 protein targets TRIM25 for proteasomal degradation to diminish K63-linked RIG-I ubiquitination and type-I interferon induction. Cellular and molecular life sciences : CMLS, 80(12), 364.

Korenkov M, et al. (2023) Somatic hypermutation introduces bystander mutations that prepare SARS-CoV-2 antibodies for emerging variants. Immunity, 56(12), 2803.

Qu P, et al. (2023) Enhanced neutralization resistance of SARS-CoV-2 Omicron subvariants BQ.1, BQ.1.1, BA.4.6, BF.7, and BA.2.75.2. Cell host & microbe, 31(1), 9.