addgene

CoV2-Spike-D614G

(Plasmid #177960)

PURPOSE

Transient mammalian expression of codon optimized SARS-CoV-2 Spike protein (original Wuhan Hu1 sequence + D614G mutation)

DEPOSITING LAB

Jennifer Doudna

PUBLICATION

Syed et al Science. 2021 Nov 4:eabl6184. doi: 10.1126/science.abl6184 . (How to cite)

SEQUENCE INFORMATION

Sequences (1)

ORDERING

Item	Catalog #	Description	Quantity	Price (USD)	
Plasmid	177960	Standard format: Plasmid sent in bacteria as agar stab	1	$85	Add to Cart

BACKBONE

Vector backbone: pcDNA3.1

Vector type: Mammalian Expression

GROWTH IN BACTERIA

Bacterial Resistance(s): Ampicillin, 100 µg/mL

Growth Temperature: 37°C

Growth Strain(s): DH5alpha

Copy number: High Copy

GENE/INSERT

Gene/Insert name: SARS-CoV-2 Spike protein (original Wuhan Hu1 sequence + D614G mutation)

Species: Other

Mutation: D614G

Entrez Gene: *S* (a.k.a. (also known as) GU280_gp02, spike glycoprotein)

CLONING INFORMATION

Cloning method: Gibson Cloning

RESOURCE INFORMATION

Supplemental Documents:

- CoV2-Spike-D614G.gb

Articles Citing this Plasmid:

- 2 References

TERMS AND LICENSES

Academic/Nonprofit Terms:

- UBMTA

Industry Terms:

- Not Available to Industry

Trademarks:

- Zeocin® is an InvivoGen trademark.

DEPOSITOR COMMENTS

Please visit https://www.biorxiv.org/content/10.1101/2021.08.05.455082v1 for bioRxv preprint.

How to cite this plasmid

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These plasmids were created by your colleagues. Please acknowledge the Principal Investigator, cite the article in which the plasmids were described, and include Addgene in the Materials and Methods of your future publications.

For your **Materials & Methods** section:

> CoV2-Spike-D614G was a gift from Jennifer Doudna (Addgene plasmid # 177960 ; http://n2t.net/addgene:177960 ; RRID:Addgene_177960)

For your **References** section:

> **Rapid assessment of SARS-CoV-2 evolved variants using virus-like particles**. Syed AM, Taha TY, Tabata T, Chen IP, Ciling A, Khalid MM, Sreekumar B, Chen PY, Hayashi JM, Soczek KM, Ott M, Doudna JA. *Science. 2021 Nov 4:eabl6184. doi: 10.1126/science.abl6184* . 10.1126/science.abl6184 PubMed 34735219