

Resource Summary Report

Generated by [dkNET](#) on Aug 25, 2026

pTwist-SARS-CoV-2 Spike-deltaC18 XBB.1.16 F456L

RRID:Addgene_212455

Type: Plasmid

Proper Citation

RRID:Addgene_212455

Plasmid Information

URL: <http://www.addgene.org/212455>

Proper Citation: RRID:Addgene_212455

Insert Name: SARS-CoV-2 Spike XBB.1.16 F456L

Organism: Severe acute respiratory syndrome coronavirus 2

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:38496628](#)

Vector Backbone Description: Backbone Marker:Twist; Vector Backbone:pTwist-CMV-BetaGlobin-WPRE-Neo; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Relevant mutations: F456L, T19I , deltaL24P25P26 , A27S , V83A , G142D , deltaY144 , H146Q , E180V , Q183E , V213E , G252V , G339H , R346T , L368I , S371F , S373P , S375F , T376A , D405N , R408S , K417N , N440K , V445P , G446S , N460K , S477N , T478R , E484A , F486P , F490S , Q498R , N501Y , Y505H , D614G , H655Y , N679K , P681H , N764K , D796Y , Q954H , N969K Please visit <https://www.medrxiv.org/content/10.1101/2024.03.05.24303815v1> for medRxiv preprint.

Plasmid Name: pTwist-SARS-CoV-2 Spike-deltaC18 XBB.1.16 F456L

Relevant Mutation: See Depositor Comments.

Record Creation Time: 20240915T080616+0000

Record Last Update: 20260815T083035+0000

Ratings and Alerts

No rating or validation information has been found for pTwist-SARS-CoV-2 Spike-deltaC18 XBB.1.16 F456L.

No alerts have been found for pTwist-SARS-CoV-2 Spike-deltaC18 XBB.1.16 F456L.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Roederer AL, et al. (2024) Ongoing evolution of SARS-CoV-2 drives escape from mRNA vaccine-induced humoral immunity. Cell reports. Medicine, 5(12), 101850.