

Resource Summary Report

Generated by [NIF](#) on Jul 31, 2026

pTwist-SARS-CoV-2 Spike-deltaC18 XBB.1 T478R

RRID:Addgene_212534

Type: Plasmid

Proper Citation

RRID:Addgene_212534

Plasmid Information

URL: <http://www.addgene.org/212534>

Proper Citation: RRID:Addgene_212534

Insert Name: SARS-CoV-2 Spike XBB.1 T478R

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: T478R, T19I , deltaL24P25P26 , A27S , V83A , G142D , H146Q , Q183E , V213E , G252V , G339H , R346T , L368I , S371F , S373P , S375F , T376A , D405N , R408S , K417N , N440K , V445P , G446S , N460K , S477N , T478K , E484A , F486S , 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 T478R

Relevant Mutation: See Depositor Comments.

Record Creation Time: 20240915T080617+0000

Record Last Update: 20260725T080132+0000

Ratings and Alerts

No rating or validation information has been found for pTwist-SARS-CoV-2 Spike-deltaC18 XBB.1 T478R.

No alerts have been found for pTwist-SARS-CoV-2 Spike-deltaC18 XBB.1 T478R.

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 [NIF](#) .

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.