

Resource Summary Report

Generated by [NIF](#) on Aug 28, 2026

pHEX2 T494 TALENs

RRID:Addgene_44464

Type: Plasmid

Proper Citation

RRID:Addgene_44464

Plasmid Information

URL: <http://www.addgene.org/44464>

Proper Citation: RRID:Addgene_44464

Insert Name: AtCRU3 T494 TALENs

Organism: Synthetic

Bacterial Resistance: Spectinomycin

Vector Backbone Description: Backbone Size:13812; Vector Backbone:pHEX2; Vector Types:Plant Transformation; Bacterial Resistance:Spectinomycin

Comments: pZHY013 reference: Zhang Y, Zhang F, Li X, Baller JA, Qi Y, Starker CG, Bogdanove AJ, Voytas DF (2012) TALENs enable efficient plant genome engineering. Plant Physiology. doi:10.1104/pp.112.205179 Please refer to the references provided below for matters relating to ownership of pHEX2 for anything other than academic use. pHEX2 reference: Hellens R, Allan A, Friel E, Bolitho K, Grafton K, Templeton M, Karunairetnam S, Gleave A, Laing W (2005) Transient expression vectors for functional genomics, quantification of promoter activity and RNA silencing in plants. Plant Methods 1 (1):13. doi:10.1186/1746-4811-1-13 pART27 (used to derive pHEX2) reference: Gleave AP (1992) A versatile binary vector system with a T-DNA organisational structure conducive to efficient integration of cloned DNA into the plant genome. Plant Mol Biol 20:1203-1207

Plasmid Name: pHEX2 T494 TALENs

Record Creation Time: 20220422T222229+0000

Record Last Update: 20260815T081515+0000

Ratings and Alerts

No rating or validation information has been found for pHEX2 T494 TALENs.

No alerts have been found for pHEX2 T494 TALENs.

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](#) .

Johnson RA, et al. (2013) A rapid assay to quantify the cleavage efficiency of custom-designed nucleases in planta. Plant molecular biology, 82(3), 207.