

Resource Summary Report

Generated by [dkNET](#) on Aug 1, 2026

pTH397-SUP45-I222S

RRID:Addgene_29388

Type: Plasmid

Proper Citation

RRID:Addgene_29388

Plasmid Information

URL: <http://www.addgene.org/29388>

Proper Citation: RRID:Addgene_29388

Insert Name: SUP45 gene encoding translation release factor 1 from *S. cerevisiae*

Organism: *Saccharomyces cerevisiae*

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:20444877](#)

Vector Backbone Description: Backbone Size:5976; Vector Backbone:pRS315; Vector Types:Yeast Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pTH397-SUP45-I222S

Relevant Mutation: I222S mutant gene (corresponding to the sup45-2 allele) including genomic sequence 1432 bp upstream of AUG and 241 bp downstream of stop codon.

Record Creation Time: 20220422T222129+0000

Record Last Update: 20260801T081116+0000

Ratings and Alerts

No rating or validation information has been found for pTH397-SUP45-I222S.

No alerts have been found for pTH397-SUP45-I222S.

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](#) .

Lino BR, et al. (2025) High throughput screening of eukaryotic release factor 1 variants to enhance noncanonical amino acid incorporation. bioRxiv : the preprint server for biology.