

# Resource Summary Report

Generated by [RRID](#) on Aug 19, 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:** 20260815T081317+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 [RRID](#) .

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.