

Resource Summary Report

Generated by [RRID](#) on Aug 19, 2026

[nuc-yHS1-M7A](#)

RRID:Addgene_159167

Type: Plasmid

Proper Citation

RRID:Addgene_159167

Plasmid Information

URL: <http://www.addgene.org/159167>

Proper Citation: RRID:Addgene_159167

Insert Name: nuc-yHS1-M7A

Organism: *Saccharomyces cerevisiae*

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:27247412](#)

Vector Backbone Description: Backbone Marker:M. Funk; Backbone Size:6900; Vector Backbone:p415GPD; Vector Types:Yeast Expression; Bacterial Resistance:Ampicillin

Comments: The first-generation heme sensor, HS1, consists of a heme-binding domain, the His/Met coordinating 4-alpha-helical bundle hemoprotein cytochrome b562 (Cyt b562) (13), fused to a pair of fluorescent proteins, EGFP and Katushka 2 (mKATE2)

Plasmid Name: nuc-yHS1-M7A

Relevant Mutation: Mutated Met 7 of the cyt b562 module of nuc-yHS1 to Ala (M7A), creates medium affinity heme sensor

Record Creation Time: 20220422T221902+0000

Record Last Update: 20260815T080827+0000

Ratings and Alerts

No rating or validation information has been found for nuc-yHS1-M7A.

No alerts have been found for nuc-yHS1-M7A.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.