

Resource Summary Report

Generated by [RRID](#) on Aug 20, 2026

mito-yHS1-M7A

RRID:Addgene_159164

Type: Plasmid

Proper Citation

RRID:Addgene_159164

Plasmid Information

URL: <http://www.addgene.org/159164>

Proper Citation: RRID:Addgene_159164

Insert Name: mito-yHS1-M7A

Organism: *Saccharomyces cerevisiae*

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:32265272](#)

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: mito-yHS1-M7A

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

Record Creation Time: 20220513T080138+0000

Record Last Update: 20260815T082256+0000

Ratings and Alerts

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

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

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.