

Resource Summary Report

Generated by [dkNET](#) on Aug 15, 2026

hHS1-M7A

RRID:Addgene_159170

Type: Plasmid

Proper Citation

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Plasmid Information

URL: <http://www.addgene.org/159170>

Proper Citation: RRID:Addgene_159170

Insert Name: hHS1-M7A

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:27247412](#)

Vector Backbone Description: Backbone Marker:Doug Golenbock (Addgene #13031); Backbone Size:6146; Vector Backbone:pcDNA3-eGFP; Vector Types:Mammalian 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: hHS1-M7A

Relevant Mutation: Mutated Met 7 of the cyt b562 module of hHS1 to Ala (M7A), creates medium affinity heme sensor

Record Creation Time: 20220422T221902+0000

Record Last Update: 20260815T080825+0000

Ratings and Alerts

No rating or validation information has been found for hHS1-M7A.

No alerts have been found for hHS1-M7A.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.