

Resource Summary Report

Generated by [RRID](#) on Sep 2, 2026

pcDNA5/FRT/TO GFP HSPA1A

RRID:Addgene_19483

Type: Plasmid

Proper Citation

RRID:Addgene_19483

Plasmid Information

URL: <http://www.addgene.org/19483>

Proper Citation: RRID:Addgene_19483

Insert Name: HSPA1A

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:18686016](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5137; Vector Backbone:pcDNA5/FRT/TO; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Part of the HSP110 gene family Disclaimer: For cloning the various HSP genes, the Stratagene reference RNA for cDNA synthesis was used and genes were amplified from this mixture that originates from 10 different cell lines from different somatic origin and ultimately coming from 10 different individuals. This strategy was used to maximize the chance for the presence of individual HSP transcripts. Users must be aware that this mixture thus represents 20 complete haploid genomes, meaning that for each individual gene there might be polymorphisms that could potentially have functional consequences. The library was sequence verified only for the presence of the correct gene.

Plasmid Name: pcDNA5/FRT/TO GFP HSPA1A

Record Creation Time: 20220422T222046+0000

Record Last Update: 20260902T043439+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA5/FRT/TO GFP HSPA1A.

No alerts have been found for pcDNA5/FRT/TO GFP HSPA1A.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Heritz JA, et al. (2026) Targeting and dissociating HIF2?? from the molecular chaperone Hsp70 triggers apoptosis in kidney cancer. Communications medicine, 6(1), 91.

Han X, et al. (2023) Targeting pleckstrin-2/Akt signaling reduces proliferation in myeloproliferative neoplasm models. The Journal of clinical investigation, 133(6).

Schleef M, et al. (2023) Heat Shock Protein 70 Is Involved in the Efficiency of Preconditioning with Cyclosporine A in Renal Ischemia Reperfusion Injury by Modulating Mitochondrial Functions. International journal of molecular sciences, 24(11).

Liu Y, et al. (2020) Histone Acetyltransferase (HAT) P300/CBP Inhibitors Induce Synthetic Lethality in PTEN-Deficient Colorectal Cancer Cells through Destabilizing AKT. International journal of biological sciences, 16(11), 1774.

Biter AB, et al. (2012) Functional analysis of conserved cis- and trans-elements in the Hsp104 protein disaggregating machine. Journal of structural biology, 179(2), 172.