

Resource Summary Report

Generated by [kravitz2](#) on Aug 30, 2026

pcDNA5/FRT/TO GFP HSPA8

RRID:Addgene_19487

Type: Plasmid

Proper Citation

RRID:Addgene_19487

Plasmid Information

URL: <http://www.addgene.org/19487>

Proper Citation: RRID:Addgene_19487

Insert Name: HSPA8

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 HSP70 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 HSPA8

Record Creation Time: 20220422T222046+0000

Record Last Update: 20260829T080143+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA5/FRT/TO GFP HSPA8.

No alerts have been found for pcDNA5/FRT/TO GFP HSPA8.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Liu F, et al. (2022) Proximity proteomics of C9orf72 dipeptide repeat proteins identifies molecular chaperones as modifiers of poly-GA aggregation. *Acta neuropathologica communications*, 10(1), 22.

Hormazabal J, et al. (2022) Chaperone mediated autophagy contributes to the newly synthesized histones H3 and H4 quality control. *Nucleic acids research*, 50(4), 1875.

Jaimon E, et al. (2021) Binding with heat shock cognate protein HSC70 fine-tunes the Golgi association of the small GTPase ARL5B. *The Journal of biological chemistry*, 297(6), 101422.

Chen BH, et al. (2020) Hsc70/Stub1 promotes the removal of individual oxidatively stressed peroxisomes. *Nature communications*, 11(1), 5267.

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.

Manee MM, et al. (2017) Molecular cloning, bioinformatics analysis, and expression of small heat shock protein beta-1 from *Camelus dromedarius*, Arabian camel. *PloS one*, 12(12), e0189905.

Aeberhard L, et al. (2015) The Proteome of the Isolated *Chlamydia trachomatis* Containing Vacuole Reveals a Complex Trafficking Platform Enriched for Retromer Components. *PLoS pathogens*, 11(6), e1004883.

Sanidas I, et al. (2014) Phosphoproteomics screen reveals akt isoform-specific signals linking RNA processing to lung cancer. *Molecular cell*, 53(4), 577.