

Resource Summary Report

Generated by [RRID](#) on Sep 3, 2026

pcDNA5/FRT/TO GFP DNAJB1

RRID:Addgene_19495

Type: Plasmid

Proper Citation

RRID:Addgene_19495

Plasmid Information

URL: <http://www.addgene.org/19495>

Proper Citation: RRID:Addgene_19495

Insert Name: DNAJB1

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 HSP40 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 DNAJB1

Record Creation Time: 20220422T222046+0000

Record Last Update: 20260902T043441+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA5/FRT/TO GFP DNAJB1.

No alerts have been found for pcDNA5/FRT/TO GFP DNAJB1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Hernandez-Candia CN, et al. (2024) A platform to induce and mature biomolecular condensates using chemicals and light. Nature chemical biology, 20(4), 452.

Ong LC, et al. (2017) Single-walled carbon nanotubes (SWCNTs) inhibit heat shock protein 90 (HSP90) signaling in human lung fibroblasts and keratinocytes. Toxicology and applied pharmacology, 329, 347.

Jo S, et al. (2012) Neuronal hypoxia induces Hsp40-mediated nuclear import of type 3 deiodinase as an adaptive mechanism to reduce cellular metabolism. The Journal of neuroscience : the official journal of the Society for Neuroscience, 32(25), 8491.