

Resource Summary Report

Generated by [kravitz2](#) on Aug 9, 2026

pcDNA5/FRT/TO HSPH2

RRID:Addgene_19454

Type: Plasmid

Proper Citation

RRID:Addgene_19454

Plasmid Information

URL: <http://www.addgene.org/19454>

Proper Citation: RRID:Addgene_19454

Insert Name: heat shock 70kDa protein 4

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 HSPH2

Relevant Mutation: mutations A381T, T732A, and an insertion of "t" at residue 799 that causes a frameshift. (please see depositor comments below)

Record Creation Time: 20220422T222046+0000

Record Last Update: 20260808T081351+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA5/FRT/TO HSPH2.

No alerts have been found for pcDNA5/FRT/TO HSPH2.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.