

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

pcDNA-HA-ER D538G

RRID:Addgene_49500

Type: Plasmid

Proper Citation

RRID:Addgene_49500

Plasmid Information

URL: <http://www.addgene.org/49500>

Proper Citation: RRID:Addgene_49500

Insert Name: ESR1

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:24185512](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5428; Vector Backbone:pcDNA3.1 (+); Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pcDNA-HA-ER D538G

Relevant Mutation: Aspartic acid 538 to Glycine

Record Creation Time: 20220422T222255+0000

Record Last Update: 20260725T074758+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA-HA-ER D538G.

No alerts have been found for pcDNA-HA-ER D538G.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Devakrishnan AK, et al. (2025) Discovery of a novel small molecule degrader of wild type and mutant estrogen receptors using DNA encoded libraries. NPJ breast cancer, 11(1), 125.

Li X, et al. (2022) YAP inhibits ER⁻ and ER⁺ breast cancer growth by disrupting a TEAD-ER⁻ signaling axis. Nature communications, 13(1), 3075.

Li Z, et al. (2022) ESR1 mutant breast cancers show elevated basal cytokeratins and immune activation. Nature communications, 13(1), 2011.

Barua D, et al. (2020) XBP1 increases transactivation of somatic mutants of ESR1 and loss of XBP1 reverses endocrine resistance conferred by gain-of-function Y537S ESR1 mutation. Heliyon, 6(10), e05217.