

Resource Summary Report

Generated by [NIF](#) on Jul 31, 2026

[q4wt](#)

RRID:Addgene_24502

Type: Plasmid

Proper Citation

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Plasmid Information

URL: <http://www.addgene.org/24502>

Proper Citation: RRID:Addgene_24502

Insert Name: Gq alpha

Organism: Mus musculus

Bacterial Resistance: Ampicillin and Tetracycline

Defining Citation: [PMID:8387644](#)

Vector Backbone Description: Backbone Size:4000; Vector Backbone:pcDNA1; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin and Tetracycline

Comments: This is Gq alpha with an HA epitope engineered into an internal site that does not seem to affect receptor coupling in multiple studies. Epitope tagged by Paul Wilson, see Wedegaertner, JBC 268: 25001-25008. The 5' non-coding sequences were removed, but the 3' non-coding sequences remain, as in Strathmann & Simon (1990) PNAS 87:9113-9117. The parent construct has been donated to the ATCC by the Bourne Lab. There is a 1bp insertion, a 5bp insertion, and a 1bp deletion when author sequence is aligned with Addgene quality control sequence. These differences are between the stop codon and the SP6 sequence. Please see supplemental document for G-protein chimera user manual.

Plasmid Name: q4wt

Record Creation Time: 20220422T222109+0000

Record Last Update: 20260725T074450+0000

Ratings and Alerts

No rating or validation information has been found for q4wt.

No alerts have been found for q4wt.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.