

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 9, 2026

qo5

RRID:Addgene_24500

Type: Plasmid

Proper Citation

RRID:Addgene_24500

Plasmid Information

URL: <http://www.addgene.org/24500>

Proper Citation: RRID:Addgene_24500

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 the C-terminal amino acids changed from Gq alpha to Go alpha residues (EYNLV to GCGLY). Works the same as qi5 but (for unknown reasons) has a slightly lower basal PLC activity. This can increase the signal-to-noise ratio. Contains an internal hemagglutinin epitope tag (DVPDYA) that has no effect on receptor coupling. Please see supplemental document for G-protein chimera user manual.

Plasmid Name: qo5

Relevant Mutation: Gq alpha with the C-terminal amino acids changed from Gq alpha to Go alpha residues (EYNLV to GCGLY)

Record Creation Time: 20220422T222109+0000

Record Last Update: 20260808T081435+0000

Ratings and Alerts

No rating or validation information has been found for qo5.

No alerts have been found for qo5.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Liau BW, et al. (2022) Conformational fingerprinting of allosteric modulators in metabotropic glutamate receptor 2. eLife, 11.