

Resource Summary Report

Generated by [nidm-terms](#) on Sep 5, 2026

qs5

RRID:Addgene_24498

Type: Plasmid

Proper Citation

RRID:Addgene_24498

Plasmid Information

URL: <http://www.addgene.org/24498>

Proper Citation: RRID:Addgene_24498

Insert Name: Gq alpha

Organism: Mus musculus

Bacterial Resistance: Ampicillin and Tetracycline

Defining Citation: [PMID:8863834](#)

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 Gs alpha residues (EYNLV to QYELL). This construct allows some Gs-coupled receptors to stimulate phospholipase C. 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: qs5

Relevant Mutation: Replacement of the five carboxyl-terminal amino acids of Gq alpha (EYNLV) with those of Gs alpha(QYELL)

Record Creation Time: 20220422T222109+0000

Record Last Update: 20260905T075417+0000

Ratings and Alerts

No rating or validation information has been found for qs5.

No alerts have been found for qs5.

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 [nidm-terms](#) .

Ya??ez-Guerra LA, et al. (2022) Premetazoan Origin of Neuropeptide Signaling. Molecular biology and evolution, 39(4).