

Resource Summary Report

Generated by [kravitz2](#) on Sep 2, 2026

YFP(1-158)-beta-2 in pcDNA1/Amp

RRID:Addgene_54469

Type: Plasmid

Proper Citation

RRID:Addgene_54469

Plasmid Information

URL: <http://www.addgene.org/54469>

Proper Citation: RRID:Addgene_54469

Insert Name: YFP(1-158)/beta-2

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:15136579](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:4800; Vector Backbone:pcDNA1/Amp; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: YFP(1-158)-beta-2 in pcDNA1/Amp

Relevant Mutation: YFP (1-158) includes a substitution of Met for Gln-69. Gbeta-2 was amplified via PCR, which added an N-terminal linker sequence (RSIAT), a 5' BamHI site, and a 3' BglII site. Cloning into the BglII site of YFP(1-158) destroyed the BamHI site.

Record Creation Time: 20220422T222319+0000

Record Last Update: 20260902T045710+0000

Ratings and Alerts

No rating or validation information has been found for YFP(1-158)-beta-2 in pcDNA1/Amp.

No alerts have been found for YFP(1-158)-beta-2 in pcDNA1/Amp.

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 [kravitz2](#) .

Greenwood IA, et al. (2019) The G α 1 and G α 3 Subunits Differentially Regulate Rat Vascular Kv7 Channels. *Frontiers in physiology*, 10, 1573.