

# Resource Summary Report

Generated by [dkNET](#) on Aug 8, 2026

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

RRID:Addgene\_54469

Type: Plasmid

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### Proper Citation

RRID:Addgene\_54469

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### 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:** 20260808T081830+0000

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### 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.

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### Data and Source Information

**Source:** [Addgene](#)

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## Usage and Citation Metrics

We found 1 mentions in open access literature.

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

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