

# Resource Summary Report

Generated by [NIF](#) on Sep 1, 2026

## Cer(159-238)-beta-5 in pcDNA1/Amp

RRID:Addgene\_55778

Type: Plasmid

### Proper Citation

RRID:Addgene\_55778

### Plasmid Information

**URL:** <http://www.addgene.org/55778>

**Proper Citation:** RRID:Addgene\_55778

**Insert Name:** Cer(159-238)-beta-5

**Organism:** Homo sapiens

**Bacterial Resistance:** Ampicillin

**Defining Citation:** [PMID:17596375](#)

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

**Comments:** Reference for monomeric Cerulean: Rizzo MA, Springer GH, Granada B, Piston DW. An improved cyan fluorescent protein variant useful for FRET. Nat Biotechnol. 2004;22(4):445-9. PubMed PMID: 14990965.

**Plasmid Name:** Cer(159-238)-beta-5 in pcDNA1/Amp

**Relevant Mutation:** GBeta-5 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 Cer(1-158) destroyed the BamHI site.

**Record Creation Time:** 20220422T222326+0000

**Record Last Update:** 20260829T080724+0000

### Ratings and Alerts

No rating or validation information has been found for Cer(159-238)-beta-5 in pcDNA1/Amp.

No alerts have been found for Cer(159-238)-beta-5 in pcDNA1/Amp.

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## Data and Source Information

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

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.