

Resource Summary Report

Generated by [NIF](#) on Sep 11, 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.

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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: 20260905T075820+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.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.