

Resource Summary Report

Generated by [NIF](#) on Jul 28, 2026

pF142 pAcGFP1 SOD1 A4V

RRID:Addgene_26403

Type: Plasmid

Proper Citation

RRID:Addgene_26403

Plasmid Information

URL: <http://www.addgene.org/26403>

Proper Citation: RRID:Addgene_26403

Insert Name: SOD1

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:20221404](#)

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:4700; Vector Backbone:pAcGFP1-C1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: The complete cDNA was subcloned into the vector pET28. Site directed mutagenesis changed wildtype DNA sequence for codon 4 of the cDNA from GCC to GTC, resulting in the A4V mutation in the protein and then a PCR amplified the complete cDNA with EcoRI and SalI sites on the 5' and 3' end respectively. This EcoRI-SalI 0.47kb fragment was cloned into the respective EcoRI and SalI sites of pACGFPC1. Thus GFP is 5' of the SOD1 insert and upstream in the GFP-SOD1 fusion protein.

Plasmid Name: pF142 pAcGFP1 SOD1 A4V

Relevant Mutation: A4V

Record Creation Time: 20220422T222118+0000

Record Last Update: 20260725T074508+0000

Ratings and Alerts

No rating or validation information has been found for pF142 pAcGFP1 SOD1 A4V.

No alerts have been found for pF142 pAcGFP1 SOD1 A4V.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.