

Resource Summary Report

Generated by [RRID](#) on Aug 17, 2026

ECFP-Bcr NE/AA

RRID:Addgene_36418

Type: Plasmid

Proper Citation

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Plasmid Information

URL: <http://www.addgene.org/36418>

Proper Citation: RRID:Addgene_36418

Insert Name: breakpoint cluster region

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:17116687](#)

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

Comments: Made by mutagenesis directly on plasmid Bcr-ECFP using a Stratagene Quick Change kit. In DbI, mutation of residues N673 and D674 completely abolished its activity as a GEF towards Rac. These residues are highly conserved among DH domains and are also conserved as residues N689/ E690 in Bcr. We therefore mutated these residues in Bcr and introduced the mutants into the RAW 264.7 macrophage cell line. However, the construct did not caused morphological changes in these cells. Constructed by Young-Jin Cho.

Plasmid Name: ECFP-Bcr NE/AA

Relevant Mutation: N689A/ E690A

Record Creation Time: 20220422T222155+0000

Record Last Update: 20260815T081408+0000

Ratings and Alerts

No rating or validation information has been found for ECFP-Bcr NE/AA.

No alerts have been found for ECFP-Bcr NE/AA.

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 [RRID](#) .

Duman JG, et al. (2019) The adhesion-GPCR BAI1 shapes dendritic arbors via Bcr-mediated RhoA activation causing late growth arrest. eLife, 8.