

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

MSCV-ERK5-AEF

RRID:Addgene_31816

Type: Plasmid

Proper Citation

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Plasmid Information

URL: <http://www.addgene.org/31816>

Proper Citation: RRID:Addgene_31816

Insert Name: Erk5

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:16166637](#)

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:6300; Vector Backbone:pMSCVpuro; Vector Types:Mammalian Expression, Retroviral; Bacterial Resistance:Ampicillin

Comments: ERK5-AEF was added by shuttling the NheI(blunted)-NotI cDNA fragments from a previously described pCI plasmid construct (Kasler et al, 2000) into pBS-IRES and then cloning the NotI fragments into the NotI site of the MSCV-puro vector. Addgene sequencing results found an additional L->V point mutation at residue 188. This is a conservative change and depositor says this should not alter the function of this construct.

Plasmid Name: MSCV-ERK5-AEF

Relevant Mutation: T219A and Y221F

Record Creation Time: 20220422T222138+0000

Record Last Update: 20260725T074546+0000

Ratings and Alerts

No rating or validation information has been found for MSCV-ERK5-AEF.

No alerts have been found for MSCV-ERK5-AEF.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.