

Resource Summary Report

Generated by [RRID](#) on Aug 27, 2026

pLXSN IκB alpha M

RRID:Addgene_12330

Type: Plasmid

Proper Citation

RRID:Addgene_12330

Plasmid Information

URL: <http://www.addgene.org/12330>

Proper Citation: RRID:Addgene_12330

Insert Name: IκB alpha M

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:8864120](#)

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:5900; Vector Backbone:pLXSN; Vector Types:Mammalian Expression, Retroviral; Bacterial Resistance:Ampicillin

Comments: pCMX-IκB alpha M was generated by digestion of plasmids pCMX-IκBS32/36A and pCMX-IκBMutF with Eco NI and Bst EII and ligation of the small S32/36A fragment to the large vector/IκBMutF fragment. pLXSN-IκB alpha M was constructed by blunt insertion of the Eco RV fragment from pCMX-IκBM into the Hpa I site of pLXSN.

Plasmid Name: pLXSN IκB alpha M

Relevant Mutation: Dominant-negative mutant. Many signal transduction pathways resulting in NF-κB activation culminate in a serine phosphorylation of IκB on residues 32 and 36. Phosphorylation of the COOH-terminal PEST sequence has been implicated in constitutive turnover of IκB. We combined the NH2- and COOH-terminal phosphorylation mutants into a single cDNA for this plasmid.

Record Creation Time: 20220422T221645+0000

Record Last Update: 20260815T080353+0000

Ratings and Alerts

No rating or validation information has been found for pLXSN IκB alpha M.

No alerts have been found for pLXSN IκB alpha M.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Wang X, et al. (2016) Regulation of a disintegrins and metalloproteinase with thrombospondin motifs 7 during inflammation in nucleus pulposus (NP) cells: role of AP-1, Sp1 and NF-κB signaling. Inflammation research : official journal of the European Histamine Research Society ... [et al.], 65(12), 951.

Wang H, et al. (2013) Inflammatory cytokines induce NOTCH signaling in nucleus pulposus cells: implications in intervertebral disc degeneration. The Journal of biological chemistry, 288(23), 16761.

Wang J, et al. (2013) Tumor necrosis factor α- and interleukin-1β-dependent induction of CCL3 expression by nucleus pulposus cells promotes macrophage migration through CCR1. Arthritis and rheumatism, 65(3), 832.

Mamik MK, et al. (2011) HIV-1 and IL-1β regulate astrocytic CD38 through mitogen-activated protein kinases and nuclear factor-κB signaling mechanisms. Journal of neuroinflammation, 8, 145.