

Resource Summary Report

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

pCMV-M2-TLR2-FW/AA

RRID:Addgene_12293

Type: Plasmid

Proper Citation

RRID:Addgene_12293

Plasmid Information

URL: <http://www.addgene.org/12293>

Proper Citation: RRID:Addgene_12293

Insert Name: TLR2

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:16832055](#)

Vector Backbone Description: Backbone Size:4700; Vector Backbone:pFlag-CMV-1; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Murine TLR2 expression vector was made by removing the original signal peptide and replacing it with the signal peptide from preprotrypsin. When compared to GenBank reference NP_036035.3, the TLR2 insert in this plasmid appears to be missing aa1-23 due to the removal of the endogenous TLR2 signal peptide. See associated publication for more information. Also, please note that Addgene's sequencing results identified additional mutations M82I and H202Y when compared to GenBank reference NP_036035.3. M82I and H202Y are possible polymorphisms as they were also present in the wild-type TLR2 sequence from the depositing laboratory (Addgene Plasmid 12291: pCMV-M2-TLR2). It is not known whether these mutations affect TLR2 function.

Plasmid Name: pCMV-M2-TLR2-FW/AA

Relevant Mutation: M82I, H202Y, F774A and W775A; signal peptide (aa1-23) replaced with preprotrypsin signal peptide

Record Creation Time: 20220422T221643+0000

Record Last Update: 20260725T073657+0000

Ratings and Alerts

No rating or validation information has been found for pCMV-M2-TLR2-FW/AA.

No alerts have been found for pCMV-M2-TLR2-FW/AA.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.