Resource Summary Report

Generated by RRID on Aug 17, 2026

10XSTAT92E–luciferase

RRID:Addgene_37393
Type: Plasmid

Proper Citation

RRID:Addgene_37393

Plasmid Information

URL: http://www.addgene.org/37393

Proper Citation: RRID:Addgene_37393

Insert Name: SOCS36E enhancer fragment

Organism: Drosophila melanogaster

Bacterial Resistance: Ampicillin

Defining Citation: PMID:16055650

Vector Backbone Description: Backbone Size:8904; Vector Backbone:pUAST; Vector Types:Insect Expression, Luciferase, JAK/STAT reporter construct; Bacterial Resistance:Ampicillin

Comments: Perrimon Lab plasmid #446 A 441-bp genomic fragment in the enhancer of SOCS36E containing two potential STAT92E-binding sites was amplified by PCR, using five different sets of oligos: (1) CTGCAGGAACCACTCAGAGTGCCTGCGTGT (PstI), GAATTCATACAAAACTGTCTTAGGTGTTTA (EcoRI); (2) CTGCAGGAACCACTCAGAGTGCCTGCGTGT (PstI), CTGCAGATACAAAACTGTCTTAGGTGTTTA (PstI); (3) GAATTCGAACCACTCAGAGTGCCTGCGTGT (EcoRI), GAATTCATACAAAACTGTCTTAGGTGTTTA (EcoRI); (4) AGATCTGAACCACTCAGAGTGCCTGCGTGT (BglII), AGATCTATACAAAACTGTCTTAGGTGTTTA (BglII); (5) GCGGCCGCGAACCACTCAGAGTGCCTGCGTGT (NotI), GCGGCCGCATACAAAACTGTCTTAGGTGTTTA (NotI). Each amplified genomic fragment containing different restriction enzyme sites was sequentially subcloned into pUAST. The genomic fragment amplified using the first set of oligos was subcloned into the PstI/EcoRI sites of pUAST to generate 2XSTAT92E. The genomic fragment amplified using the second set of oligos was subcloned into the PstI site of 2XSTAT92E to generate 4XSTAT92E. The genomic fragment amplified using the third set of oligos was subcloned

into the EcoRI site of 4XSTAT92E to generate 6XSTAT92E. The genomic fragment amplified using the fourth set of oligos was subcloned into the BglII site of 6XSTAT92E to generate 8XSTAT92E. Next, the hsp70 minimal promoter element was amplified from pUAST by PCR using oligos GCGGCCGCAGCGGAGACTCTAGCGAGCG (NotI) and CTCGAGAATTCCCTATTCAGAGTTCT (XhoI). This hsp70 minimal promoter was subcloned into the NotI/XhoI sites of 8XSTAT92E to generate 8XSTAT92E–hsp70. Again, the genomic fragment amplified using the fifth set of oligos was subcloned into the NotI site of 8XSTAT92E–hsp70 vector to generate 10XSTAT92E–hsp70. Finally, an XhoI/XbaI fragment containing the firefly luciferase gene from the pGL3–luciferase vector (Promega) was subcloned into the XhoI/XbaI sites of 10XSTAT92E–hsp70 to generate 10XSTAT92E–luciferase.

Plasmid Name: 10XSTAT92E–luciferase

Record Creation Time: 20220422T222158+0000

Record Last Update: 20260815T081414+0000

Ratings and Alerts

No rating or validation information has been found for 10XSTAT92E–luciferase.

No alerts have been found for 10XSTAT92E–luciferase.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Palmer WH, et al. (2019) Induction and Suppression of NF-?B Signalling by a DNA Virus of Drosophila. Journal of virology, 93(3).

Amarnath S, et al. (2017) Reconstitution of Torso signaling in cultured cells suggests a role for both Trunk and Torso-like in receptor activation. Development (Cambridge, England), 144(4), 677.