

Resource Summary Report

Generated by [RRID](#) on Aug 24, 2026

IRAK1mut-UTR

RRID:Addgene_15096

Type: Plasmid

Proper Citation

RRID:Addgene_15096

Plasmid Information

URL: <http://www.addgene.org/15096>

Proper Citation: RRID:Addgene_15096

Insert Name: IRAK1 3'UTR

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:16885212](#)

Vector Backbone Description: Backbone Marker:Ambion; Backbone Size:6470; Vector Backbone:pMIR-Report; Vector Types:Mammalian Expression, Luciferase; Bacterial Resistance:Ampicillin

Comments: Mutated version of luciferase reporter construct containing ~500 bp of 3' UTR of IRAK1 with 4-bp substitutions in the miR-146 target sites.

Plasmid Name: IRAK1mut-UTR

Relevant Mutation: 4-bp substitutions in the miR-146 target sites

Record Creation Time: 20220422T221831+0000

Record Last Update: 20260815T080720+0000

Ratings and Alerts

No rating or validation information has been found for IRAK1mut-UTR.

No alerts have been found for IRAK1mut-UTR.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Chou CK, et al. (2016) IRAK1, a Target of miR-146b, Reduces Cell Aggressiveness of Human Papillary Thyroid Carcinoma. The Journal of clinical endocrinology and metabolism, 101(11), 4357.

Wang JH, et al. (2013) Histone deacetylase inhibitors increase microRNA-146a expression and enhance negative regulation of interleukin-1 β signaling in osteoarthritis fibroblast-like synoviocytes. Osteoarthritis and cartilage, 21(12), 1987.

Crone SG, et al. (2012) microRNA-146a inhibits G protein-coupled receptor-mediated activation of NF- κ B by targeting CARD10 and COPS8 in gastric cancer. Molecular cancer, 11, 71.