

Resource Summary Report

Generated by [RRID](#) on Aug 21, 2026

hu-TLR4 cDNA wt pDEST40

RRID:Addgene_42646

Type: Plasmid

Proper Citation

RRID:Addgene_42646

Plasmid Information

URL: <http://www.addgene.org/42646>

Proper Citation: RRID:Addgene_42646

Insert Name: TLR4

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:19085953](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:7143; Vector Backbone:pcDNA DEST40; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: hu-TLR4 cDNA wt pDEST40

Record Creation Time: 20220422T222220+0000

Record Last Update: 20260815T081455+0000

Ratings and Alerts

No rating or validation information has been found for hu-TLR4 cDNA wt pDEST40.

No alerts have been found for hu-TLR4 cDNA wt pDEST40.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Cavalla F, et al. (2025) TLR4 Asp299Gly SNP (rs4986790) Protects from Periodontal Inflammatory Destruction by Altering TLR4 Susceptibility to LPS Stimulation. *Biology*, 14(7).

Lampson BL, et al. (2024) Positive selection CRISPR screens reveal a druggable pocket in an oligosaccharyltransferase required for inflammatory signaling to NF- κ B. *Cell*, 187(9), 2209.

Dang X, et al. (2019) Open reading frame mining identifies a TLR4 binding domain in the primary sequence of ECRG4. *Cellular and molecular life sciences : CMLS*, 76(24), 5027.

Balan I, et al. (2018) Innately activated TLR4 signal in the nucleus accumbens is sustained by CRF amplification loop and regulates impulsivity. *Brain, behavior, and immunity*, 69, 139.

Balan I, et al. (2018) The GABAA Receptor α 2 Subunit Activates a Neuronal TLR4 Signal in the Ventral Tegmental Area that Regulates Alcohol and Nicotine Abuse. *Brain sciences*, 8(4).

Iampietro M, et al. (2017) Ebola virus glycoprotein directly triggers T lymphocyte death despite of the lack of infection. *PLoS pathogens*, 13(5), e1006397.

Aurelian L, et al. (2016) TLR4 signaling in VTA dopaminergic neurons regulates impulsivity through tyrosine hydroxylase modulation. *Translational psychiatry*, 6(5), e815.