

Resource Summary Report

Generated by [dkNET](#) on Sep 18, 2026

pcDNA3-CD14

RRID:Addgene_13645

Type: Plasmid

Proper Citation

RRID:Addgene_13645

Plasmid Information

URL: <http://www.addgene.org/13645>

Proper Citation: RRID:Addgene_13645

Insert Name: CD14

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Vector Backbone Description: Backbone Size:5400; Vector Backbone:pcDNA3; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: This plasmid was cloned by cut and paste from pCEP4-HuCD14 with KpnI (5') and NotI (3').

Plasmid Name: pcDNA3-CD14

Record Creation Time: 20220422T221752+0000

Record Last Update: 20260912T091915+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3-CD14.

No alerts have been found for pcDNA3-CD14.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Gühmann M, et al. (2025) Diffdigester.uni-jena.de: a tool for optimized selection of restriction enzymes for plasmid identification in cloning procedures. *Nucleic acids research*, 53(W1), W238.

Holze J, et al. (2024) Label-free biosensor assay decodes the dynamics of Toll-like receptor signaling. *Nature communications*, 15(1), 9554.

Persaud AT, et al. (2024) Virion-incorporated CD14 enables HIV-1 to bind LPS and initiate TLR4 signaling in immune cells. *Journal of virology*, 98(5), e0036324.

McKee HK, et al. (2021) Clostridioides difficile toxins enhanced the in vitro production of CXC chemokine ligand 2 and tumor necrosis factor- α via Toll-like receptors in macrophages. *Journal of medical microbiology*, 70(4).

Loes AN, et al. (2021) Identification and Characterization of Zebrafish Tlr4 Coreceptor Md-2. *Journal of immunology (Baltimore, Md. : 1950)*, 206(5), 1046.

Hassan MIA, et al. (2021) The impact of episporic modification of Lichtheimia corymbifera on virulence and interaction with phagocytes. *Computational and structural biotechnology journal*, 19, 880.

Choi I, et al. (2020) Microglia clear neuron-released α -synuclein via selective autophagy and prevent neurodegeneration. *Nature communications*, 11(1), 1386.

Moraes-Vieira PM, et al. (2020) Retinol binding protein 4 primes the NLRP3 inflammasome by signaling through Toll-like receptors 2 and 4. *Proceedings of the National Academy of Sciences of the United States of America*, 117(49), 31309.

Belcher JD, et al. (2020) Identification of a Heme Activation Site on the MD-2/TLR4 Complex. *Frontiers in immunology*, 11, 1370.

Loes AN, et al. (2018) Coevolution of the Toll-Like Receptor 4 Complex with Calgranulins and Lipopolysaccharide. *Frontiers in immunology*, 9, 304.

Chang CH, et al. (2011) TBK1-associated protein in endolysosomes (TAPE) is an innate immune regulator modulating the TLR3 and TLR4 signaling pathways. *The Journal of biological chemistry*, 286(9), 7043.