

Resource Summary Report

Generated by [NIF](#) on Sep 10, 2026

Orai1 CFP

RRID:Addgene_19757

Type: Plasmid

Proper Citation

RRID:Addgene_19757

Plasmid Information

URL: <http://www.addgene.org/19757>

Proper Citation: RRID:Addgene_19757

Insert Name: Orai1

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:16921383](#)

Vector Backbone Description: Backbone Size:0; Vector Backbone:EGFP-N1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Plasmid Name: Orai1 CFP

Record Creation Time: 20220422T222047+0000

Record Last Update: 20260905T075339+0000

Ratings and Alerts

No rating or validation information has been found for Orai1 CFP.

No alerts have been found for Orai1 CFP.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Cantonero C, et al. (2021) TMEM97 facilitates the activation of SOCE by downregulating the association of cholesterol to Orai1 in MDA-MB-231 cells. *Biochimica et biophysica acta. Molecular and cell biology of lipids*, 1866(6), 158906.

Cantonero C, et al. (2020) Arachidonic Acid Attenuates Cell Proliferation, Migration and Viability by a Mechanism Independent on Calcium Entry. *International journal of molecular sciences*, 21(9).

Parry DA, et al. (2016) A homozygous STIM1 mutation impairs store-operated calcium entry and natural killer cell effector function without clinical immunodeficiency. *The Journal of allergy and clinical immunology*, 137(3), 955.

Jozsef L, et al. (2014) Reticulon 4 is necessary for endoplasmic reticulum tubulation, STIM1-Orai1 coupling, and store-operated calcium entry. *The Journal of biological chemistry*, 289(13), 9380.

Peng H, et al. (2013) mTORC1 enhancement of STIM1-mediated store-operated Ca²⁺ entry constrains tuberous sclerosis complex-related tumor development. *Oncogene*, 32(39), 4702.