

Resource Summary Report

Generated by [RRID](#) on Aug 25, 2026

LOVS1K

RRID:Addgene_31981

Type: Plasmid

Proper Citation

RRID:Addgene_31981

Plasmid Information

URL: <http://www.addgene.org/31981>

Proper Citation: RRID:Addgene_31981

Insert Name: LOVS1K

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:21802009](#)

Vector Backbone Description: Backbone Size:5000; Vector Backbone:pTriEx 3; Vector Types:Mammalian Expression, Bacterial Expression; Bacterial Resistance:Ampicillin

Comments: Cloning primers: 5' end:

CATGCCATGGGGACTAGTTTGGCTACTACACTTGAACGTATTGA 3' end:

CTAGCTAGCCAGTGAGTGGATGCCAGGGTTG LOVS1K should be co-expressed with Orai1, such as Orai1 CFP (<http://www.addgene.org/19757>) or Orai1 YFP (<http://www.addgene.org/19756>) deposited by Anjana Rao.

Plasmid Name: LOVS1K

Record Creation Time: 20220422T222139+0000

Record Last Update: 20260815T081337+0000

Ratings and Alerts

No rating or validation information has been found for LOVS1K.

No alerts have been found for LOVS1K.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Pavez M, et al. (2019) STIM1 Is Required for Remodeling of the Endoplasmic Reticulum and Microtubule Cytoskeleton in Steering Growth Cones. The Journal of neuroscience : the official journal of the Society for Neuroscience, 39(26), 5095.

Ishii T, et al. (2015) Light generation of intracellular Ca(2+) signals by a genetically encoded protein BACCS. Nature communications, 6, 8021.

Kyung T, et al. (2015) Optogenetic control of endogenous Ca(2+) channels in vivo. Nature biotechnology, 33(10), 1092.

He L, et al. (2015) Near-infrared photoactivatable control of Ca(2+) signaling and optogenetic immunomodulation. eLife, 4.